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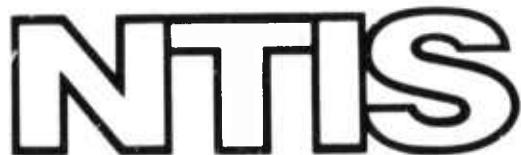
A NEW (REVISED) TABULATION OF THE SCRIPPS TOPOGRAPHY ON
A 1 DEGREE GLOBAL GRID. PART II. OCEAN DEPTHS

W. L. Gates, et al

RAND Corporation
Santa Monica, California

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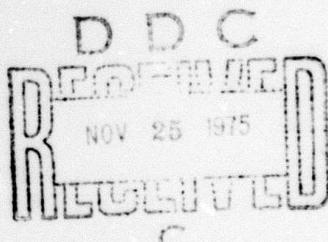
A New (Revised) Tabulation of the Scripps Topography on a 1° Global Grid. Part II: Ocean Depths

W. L. Gates and A. B. Nelson

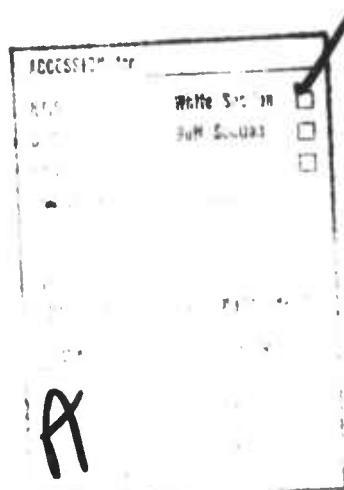
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October 1975

A New (Revised) Tabulation of the
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Part II: Ocean Depths

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PREFACE

This report is a revision of the earlier tabulation of global ocean depths issued as R-1277-ARPA in November 1973, and corrects systematic errors which were present in the tabulations poleward of 50°. Figures 1 through 5, associated with the tabulation's statistical summary, have also been recomputed. The related tabulation of terrain heights is given in R-1276-1-ARPA.

We would like to thank L. J. Lewis of the Geophysical Fluid Dynamics Laboratory, NOAA, for calling our attention to the previous tabulation's errors, and L. D. Bregman for his review of the newly tabulated data.

SUMMARY

The world-wide ocean depth data prepared at the Scripps Institution of Oceanography have been newly revised, and are herewith retabulated on a 1° grid. A number of oceanic points in the original tabulation have been reassigned as land in the course of the revision of coastlines and the insertion of islands and lakes, and several errors at isolated points have been corrected. The new tabulations are summarized in the form of a global analysis, histograms, and zonal averages.

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I. INTRODUCTION

In numerical simulations of oceanic flow the ocean depth is often needed as an input boundary condition. For small-scale problems, detailed local bathymetric information is usually available; in the case of large-scale problems, however, such as global circulation studies, the ocean depth on an appropriate world-wide grid has been less readily available.

This need was recognized by Smith, Menard, and Sharman (1966), who have presented topographic data over most of the globe at 1° intervals. Although these data undoubtedly constitute the best source of large-scale ocean depths available, they are in a format which does not readily lend itself to many applications. It is the purpose of the present report to present these Scripps data in a new and extended tabulation for the entire globe at 1° intervals, in the hope that it will prove a more convenient source for further use. A companion tabulation of the Scripps terrain height data may be found in R-1276-1-ARPA (Gates and Nelson, 1975).

II. DATA PROCESSING AND REVISION

Details of the data sources and estimation methods used in the original Scripps tabulation are given by Smith, Menard, and Sharman (1966). In order to produce a uniform listing on a 1° global grid, it was necessary to interpolate these data with respect to longitude in the higher latitudes. In the Scripps tabulation, the ocean depths are given to the nearest 100 m every 2° of longitude at latitudes 50° through 69°, every 5° of longitude at latitudes 70° through 79°, and every 10° of longitude at latitudes 80° through 89°. The missing data for each degree of longitude between latitudes 50° and the poles were obtained by a linear east-west interpolation of the given Scripps data. In the previous Rand tabulation (R-1277-ARPA, Gates and Nelson, 1973) these data were inadvertently assigned to the westernmost 1° longitude interval of the original 2°, 5° or 10° longitude tabulations poleward of 50° latitude. The subsequent longitudinal interpolations to 1° intervals were therefore erroneous, and have been corrected in the present report.

This fully interpolated data set was then reviewed for consistency of coastal outlines, and a number of ocean points in the original tabulation were reassigned as land. The insertion of previously omitted islands and the retabulation of the surface elevation of lakes as part of the terrain height data set also resulted in the deletion of a number of oceanic points. These revisions were made using world maps on a scale of 1:11,000,000 prepared by the U.S. Army Topographic Command and Naval Oceanographic Office (1971).

III. STATISTICAL SUMMARY

In addition to the tabulations themselves, it is of interest to give a few overall characteristics of the global ocean topography. In Fig. 1 we show the ocean basins as resolved by the 1° grid. Figure 2 illustrates an analysis of the ocean depth data, which serves to identify the major topographic features of the world ocean.

In Fig. 3a the tabulated data are shown in the form of a histogram at 500-m intervals. We note in particular that approximately 45 percent of the 42,263 tabulated depths (on a 1° grid) are between 4000 and 5500 m, and that there is a secondary maximum of shallow water depths below 500 m. This histogram, however, overemphasizes the water depths in higher latitudes by treating all tabulated data equally. The histogram of the actual surface area occupied by ocean in 500-m depth intervals is shown in Fig. 3b, as found by weighting the data in Fig. 3a by the areas appropriate to each ocean point.

In Fig. 4a the tabulated data are shown in terms of zonal averages, wherein we may note the nearly symmetric distribution of average water depths about the equator, with the exception of the Arctic ocean. This figure, however, also overemphasizes the higher-latitude ocean depths by treating all 1° data equally. The corresponding zonal averages found by weighting the data of Fig. 4a by the cosine of latitude are shown in Fig. 4b; here latitudinal symmetry is even more apparent. These data give an area-weighted mean depth of 3419 m in the northern hemisphere and 3808 m in the southern hemisphere, with a global mean of 3613 m.

The tabulated data have also been converted into the fraction representing ocean in Fig. 5a, and in terms of the actual oceanic area per degree of latitude in Fig. 5b. Further summaries of the data have not been undertaken in view of the extensive hypsometric analyses of the original Scripps ocean depth data made by Menard and Smith (1966).

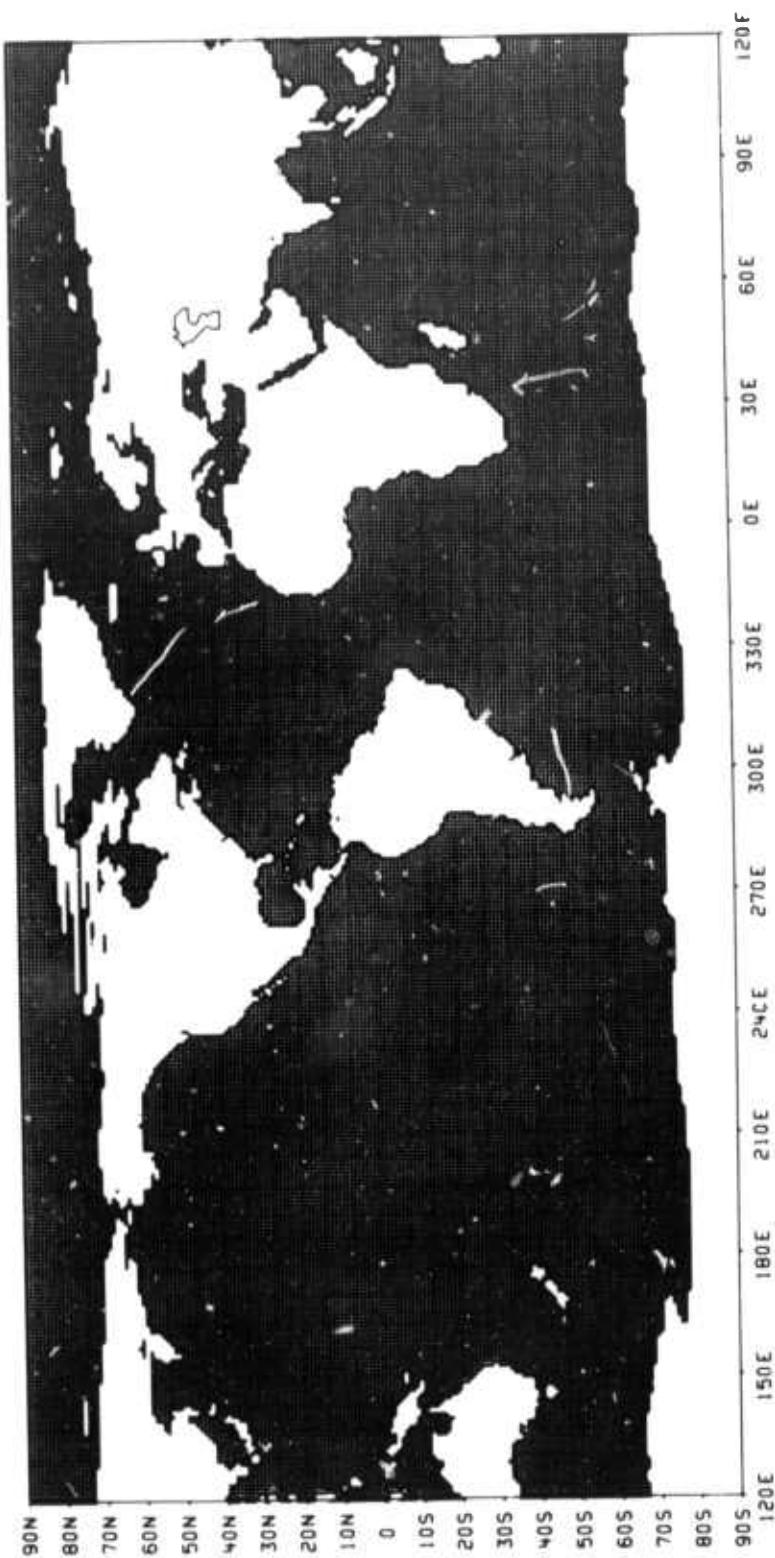


Fig. 1—The delineation of land and ocean areas as resolved by the 1° global grid.

The grid itself is shown by dots over the ocean areas.

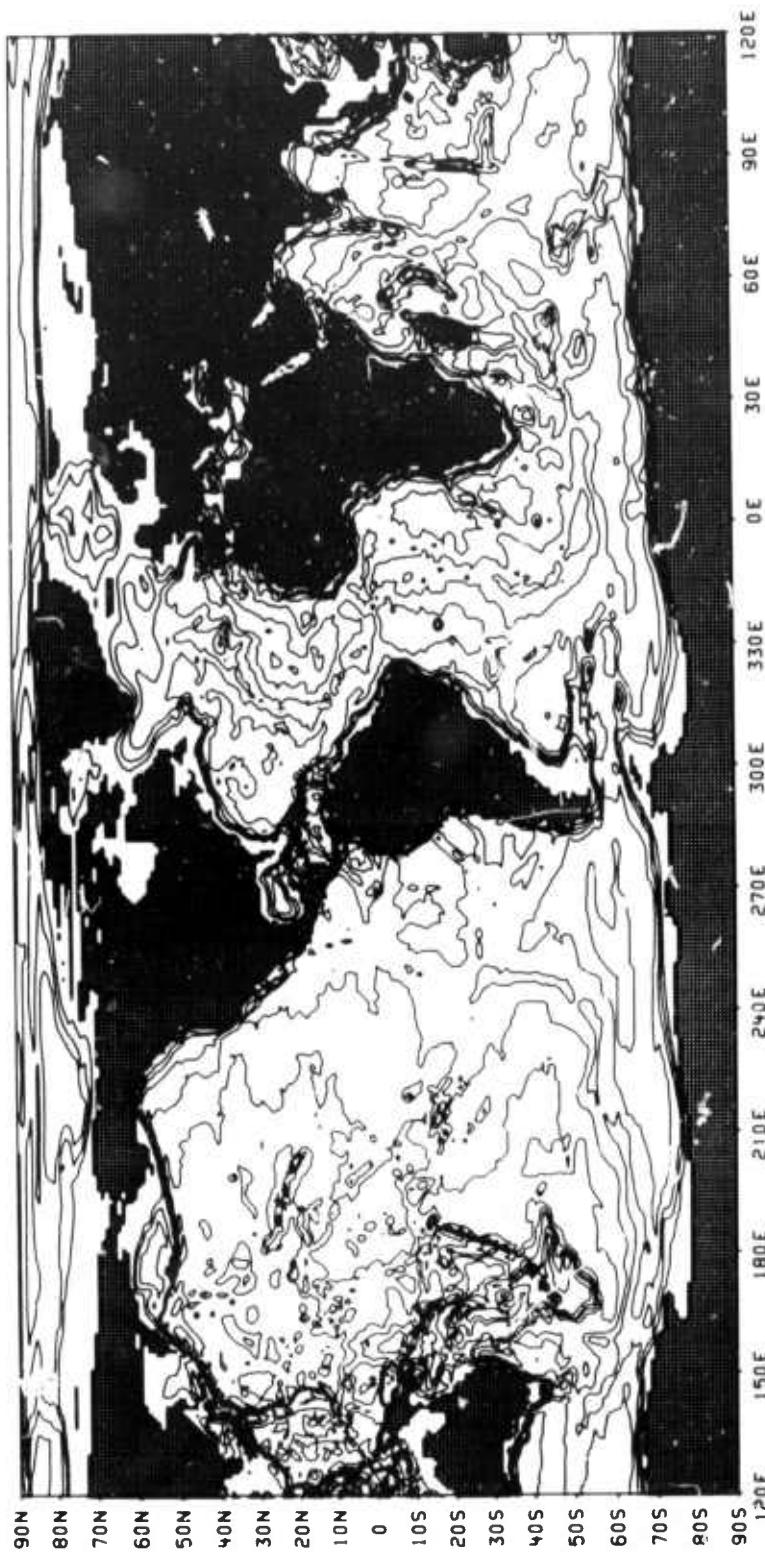


Fig. 2—Analysis of the global ocean depths, with contours at 1000, 2000, 3000, 4000, 5000, 6000, 7000, 8000 m. The elevation of the coast is everywhere zero.

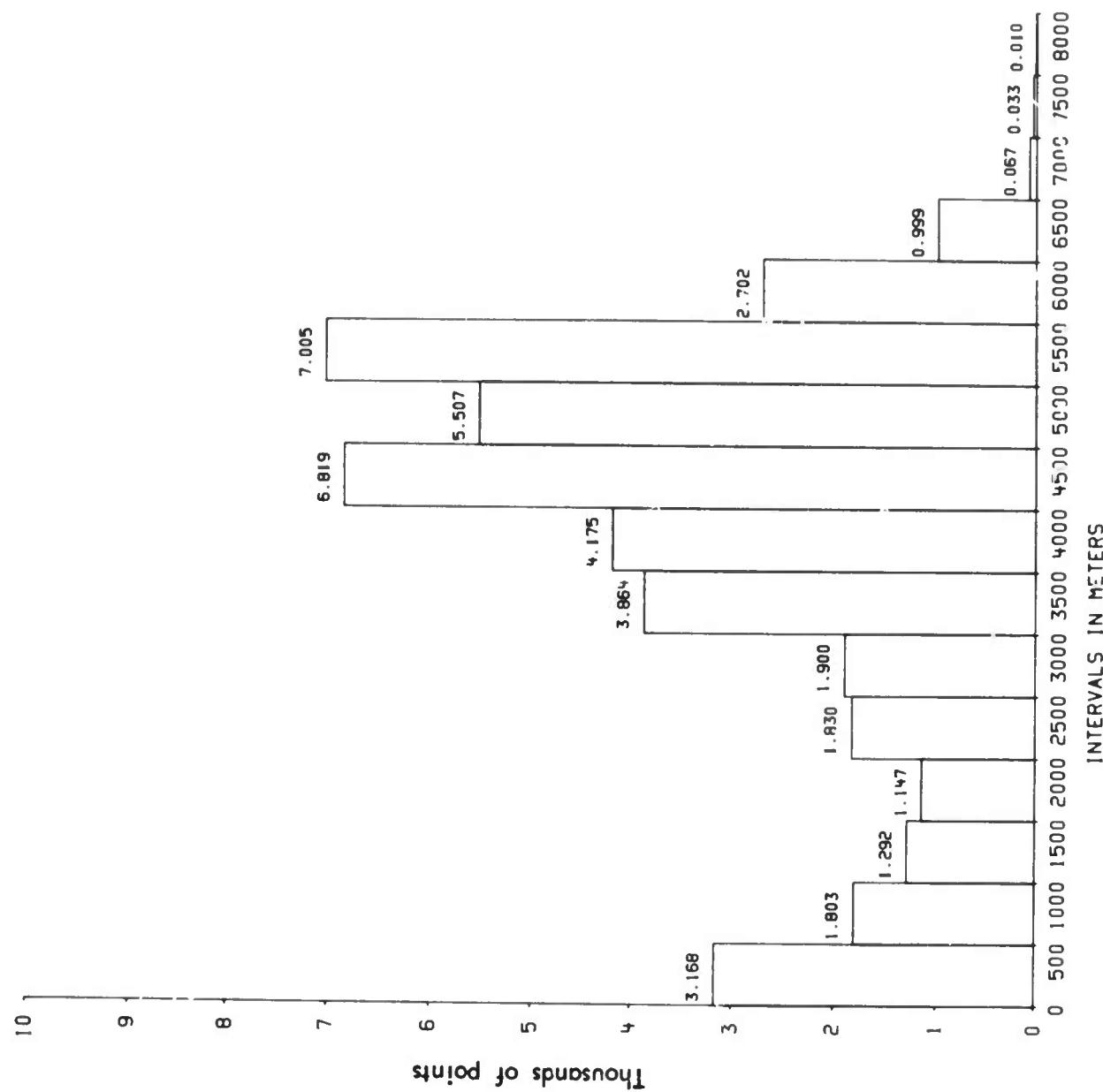


Fig. 3a—Histogram of ocean depths as tabulated on the 1° grid,
treating all 42,263 points equally.

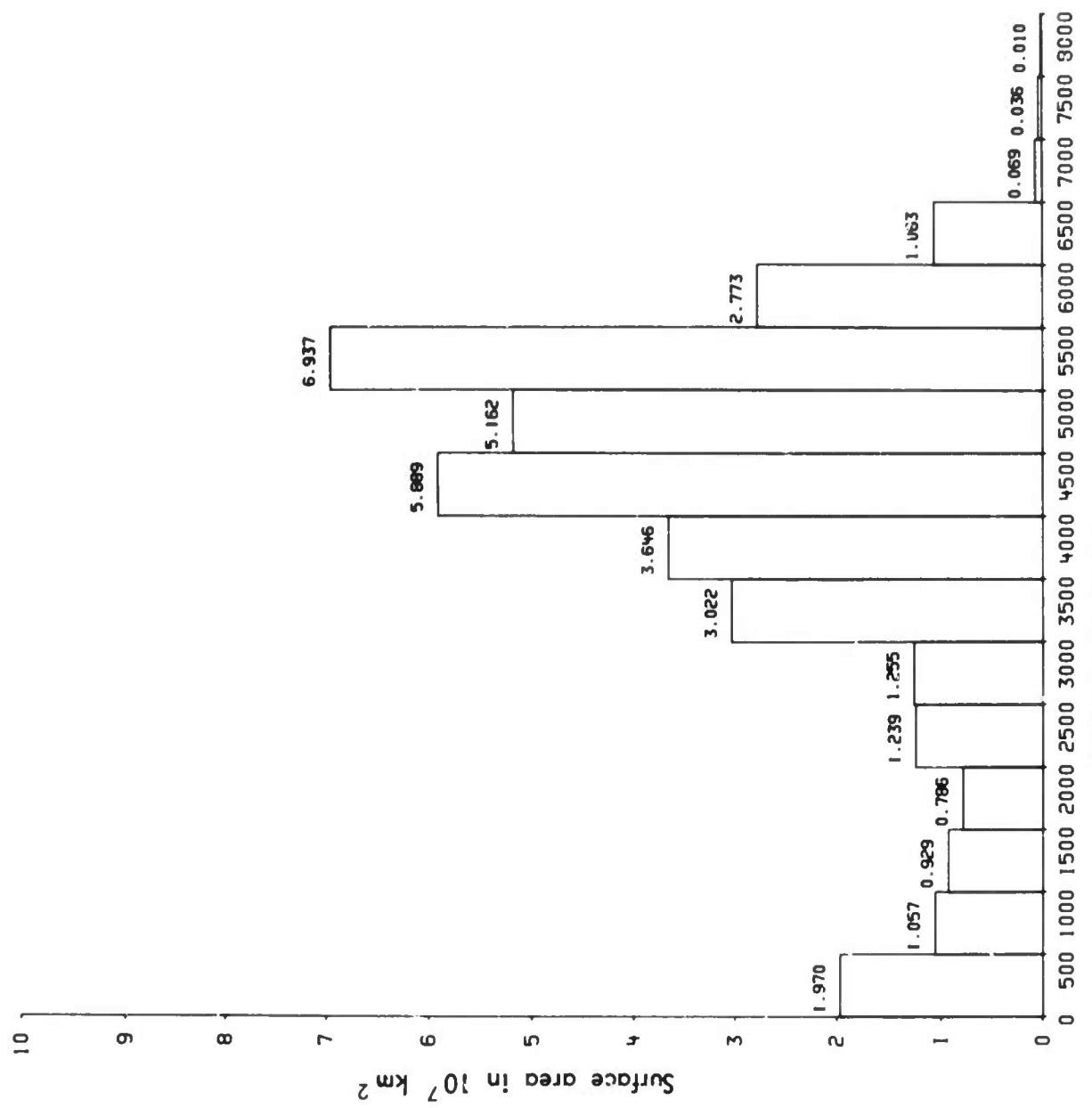


Fig. 3b.—Histogram of surface area represented by the ocean in 500-m depth intervals.

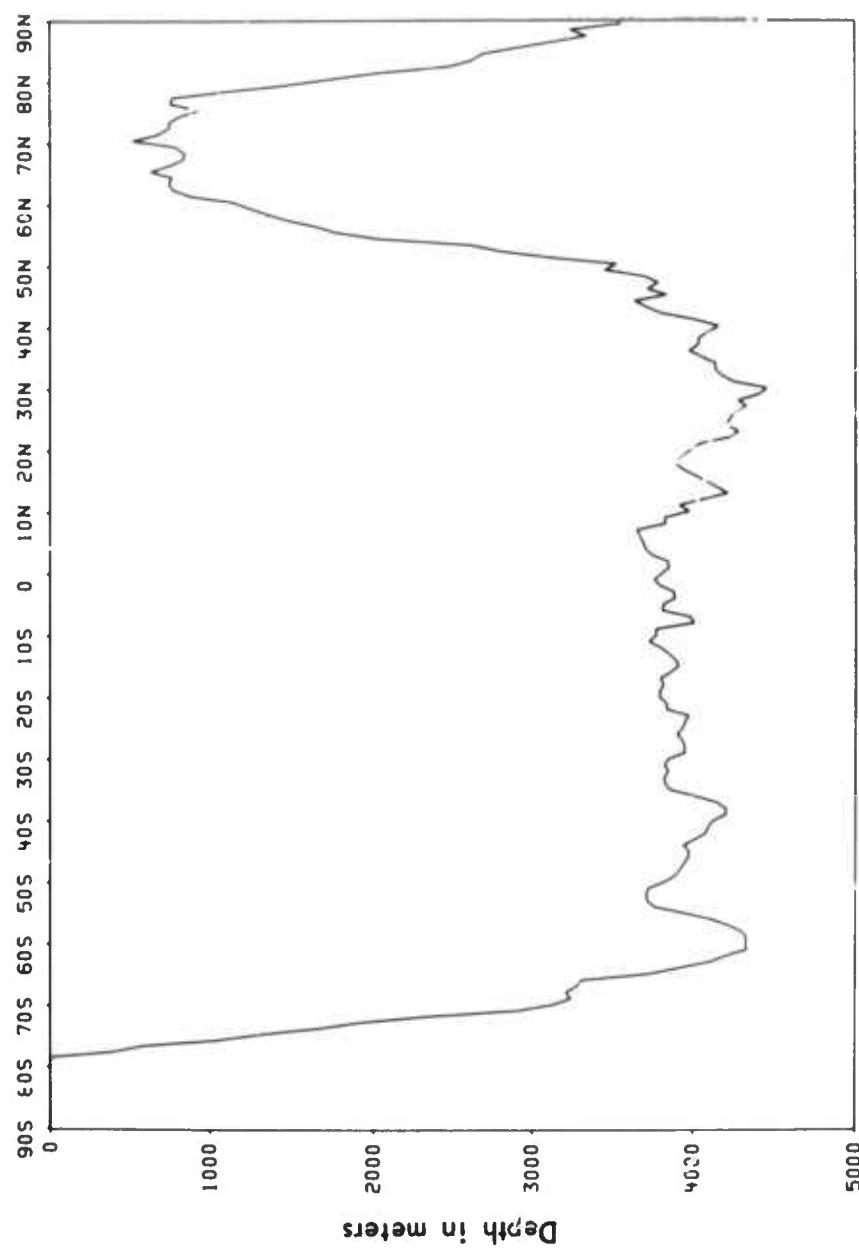


Fig. 4a—Meridional variation of the zonal average ocean depth as tabulated on the 1° grid.
Each ocean point is treated equally (as in Fig. 3a), with land points disregarded.

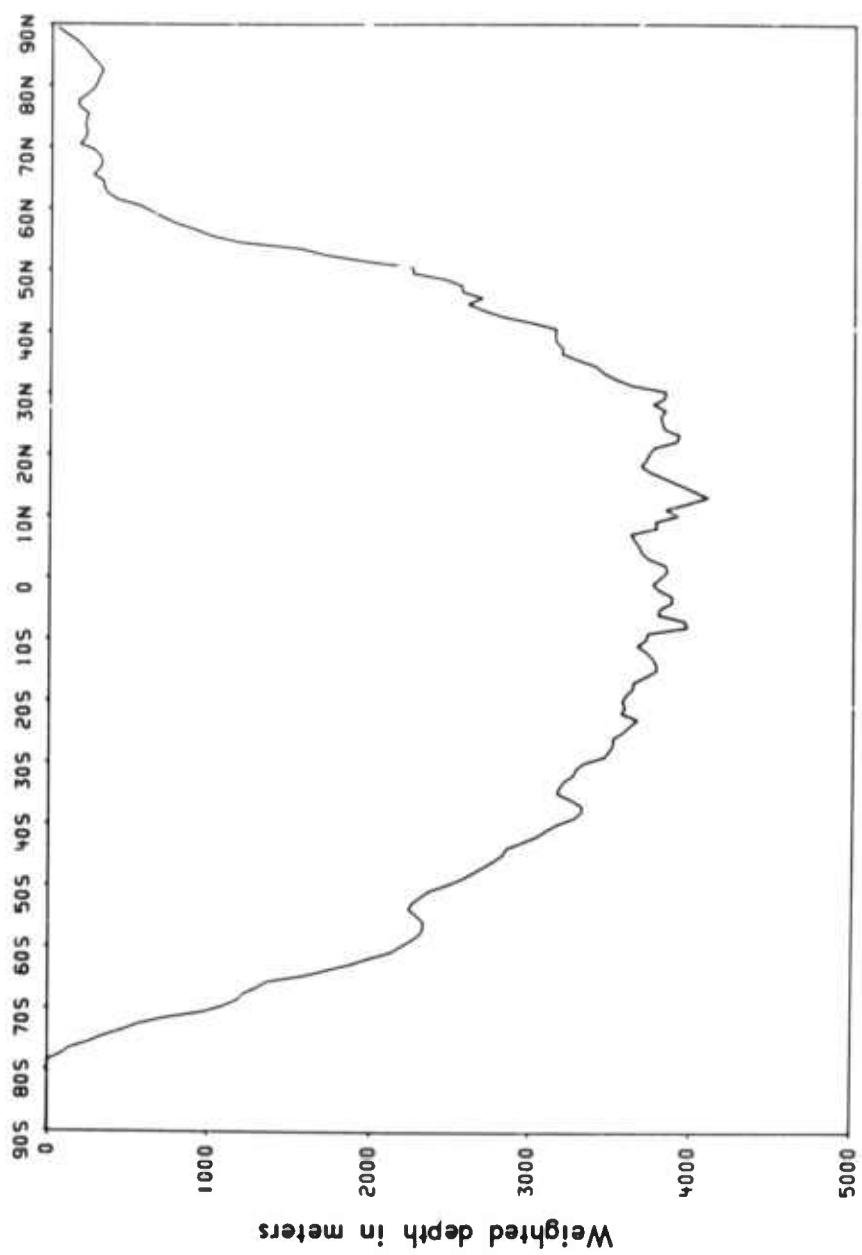


Fig. 4b—Meridional variation of the zonal average ocean depth multiplied by the cosine of latitude, with land points disregarded.



Fig. 5a—Meridional variation of the fraction of the tabulated points representing ocean.

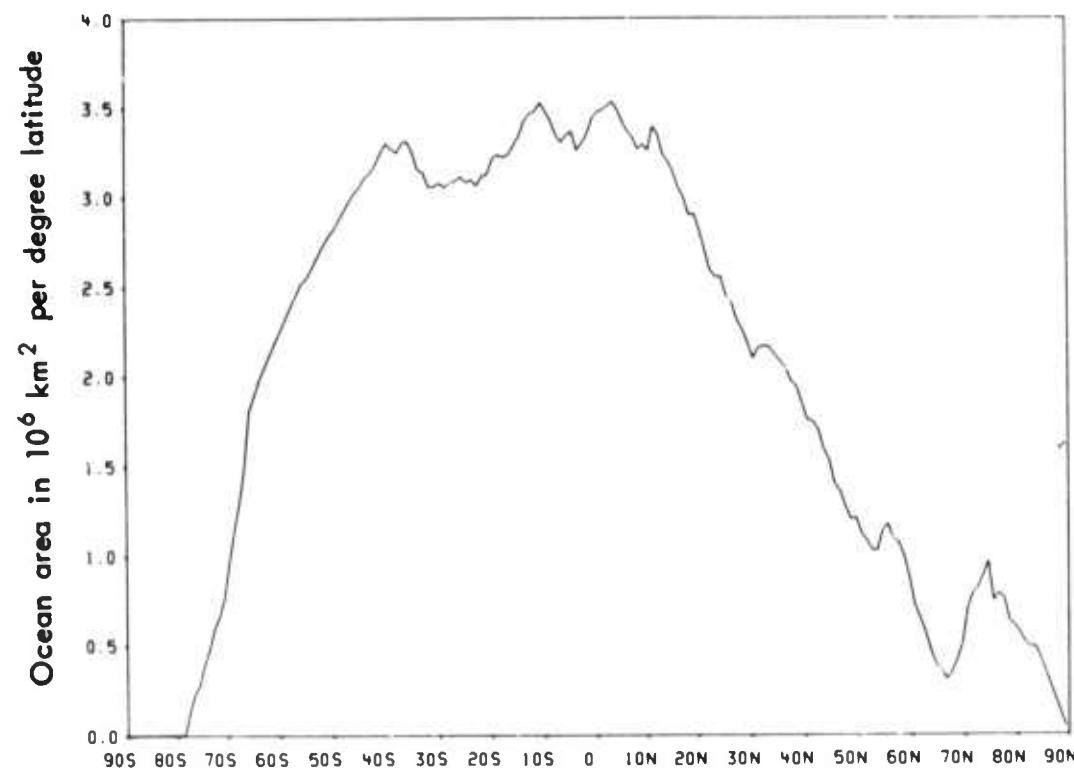


Fig. 5b—Meridional variation of the area covered by ocean (per degree of latitude).

IV. TOPOGRAPHY TABULATION (OCEAN DEPTHS)

In the following tabulation the original Scripps ocean depths with respect to mean sea level (and those interpolated over longitude at latitudes poleward of 50°) are presented in the form of grid-point values on a 1° global grid. These values are given in decameters (= 10 m), with asterisks denoting the locations of land. All longitudes are referenced eastward from Greenwich. The quadrant identification used in the original Scripps tabulation by Smith, Menard, and Sharman (1966) has here been transformed to the true latitude and longitude of the center of the 1° squares for which the listed depth is the estimated average. Here the locations of sea-ice are not recorded, and zero denotes an ocean depth less than 5 m. Note that all lakes are considered part of the terrain tabulations of Part I of this report (R-1276-1-ARPA).

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5
44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	80	200	100	*	*
42.5N	*	*	*	51	180	200	230	260	90	*	40	*
41.5N	*	*	30	130	240	240	260	270	70	5	90	90
40.5N	*	100	180	200	260	270	270	220	*	*	160	240
39.5N	55	100	10	45	130	260	280	210	*	*	240	300
38.5N	50	90	140	250	250	270	280	280	110	180	130	100
37.5N	230	270	280	250	270	260	270	260	110	15	15	20
36.5N	160	120	36	*	*	*	*	*	*	*	*	25
35.5N	*	*	*	*	*	*	*	*	*	*	*	3
34.5N	*	*	*	*	*	*	*	*	*	*	*	3
33.5N	*	*	*	*	*	*	*	*	*	*	*	5
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	10	10	5	*	*	*	*	*	*	*
5.5N	120	270	300	260	80	5	*	*	*	*	*	*
4.5N	380	390	350	300	180	20	*	*	*	5	*	*
3.5N	440	430	410	380	310	130	100	100	40	80	*	*
2.5N	460	440	420	380	360	320	280	210	200	80	*	*
1.5N	480	450	430	420	400	380	320	180	180	10	*	*
0.5N	470	430	410	420	410	360	150	230	130	*	*	*

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5
0.5S	460	400	430	420	410	350	300	240	80	*	*	*
1.5S	460	450	440	440	420	250	350	270	80	*	*	*
2.5S	470	390	460	460	440	430	400	350	180	5	*	*
3.5S	470	480	480	480	460	450	430	310	300	160	10	*
4.5S	490	470	490	490	480	460	440	420	400	320	150	10
5.5S	500	500	480	470	500	480	450	430	390	330	340	50
6.5S	490	510	510	510	510	490	470	430	390	340	260	80
7.5S	510	510	520	520	510	500	480	460	430	390	350	160
8.5S	500	510	510	520	510	510	480	460	440	420	350	240
9.5S	510	520	520	520	510	510	500	480	460	430	410	260
10.5S	520	530	530	520	520	510	510	510	470	440	390	260
11.5S	530	540	530	520	520	510	510	510	470	440	390	310
12.5S	540	550	540	530	530	520	510	490	460	430	370	310
13.5S	540	540	540	530	520	510	510	490	460	430	390	310
14.5S	550	550	540	540	530	520	510	490	460	420	370	280
15.5S	540	550	555	560	545	530	515	500	470	420	340	200
16.5S	510	530	550	550	540	525	510	490	470	420	350	100
17.5S	520	530	540	540	535	520	510	510	490	430	350	180
18.5S	520	530	530	530	525	520	510	510	490	440	370	120
19.5S	520	520	520	520	520	510	500	480	410	280	180	80
20.5S	520	520	510	510	500	480	420	320	220	280	200	180
21.5S	520	510	500	490	430	380	350	330	350	400	350	200
22.5S	520	520	510	500	450	350	290	380	400	420	380	330
23.5S	510	510	510	460	350	250	240	380	410	440	410	330
24.5S	510	500	510	490	370	200	220	400	430	460	420	380
25.5S	510	490	510	490	410	230	220	430	460	470	440	400
26.5S	510	500	490	350	280	300	370	490	430	480	480	440
27.5S	490	480	400	380	450	490	500	500	490	490	450	410
28.5S	460	410	350	350	500	500	500	500	500	500	450	410
29.5S	430	400	380	250	500	510	510	500	490	490	450	410
30.5S	420	400	280	330	490	500	510	510	490	475	450	425
31.5S	410	360	250	400	480	510	520	510	450	510	460	350
32.5S	420	300	350	480	490	510	530	520	500	510	480	450
33.5S	430	300	420	510	510	520	540	530	520	510	500	470
34.5S	480	500	500	510	520	520	530	520	510	510	500	490
35.5S	490	500	510	510	520	520	520	520	510	510	510	500
36.5S	500	510	510	510	520	520	520	510	500	510	510	500
37.5S	520	510	510	500	510	520	520	510	500	510	500	475
38.5S	510	510	510	510	510	510	520	510	500	490	475	450
39.5S	510	500	500	500	500	510	520	510	500	480	460	440
40.5S	480	460	485	490	510	510	510	510	500	480	465	450
41.5S	320	400	420	480	490	490	490	490	490	480	475	465
42.5S	280	320	455	470	475	480	480	480	480	480	480	480
43.5S	410	420	440	460	460	470	460	460	470	470	480	480
44.5S	410	420	430	445	450	460	450	450	460	460	470	480

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

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DEGREES EAST LONGITUDE

	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	40	*	*	*	*	*	*	*	*	*	*	*
8.5S	130	*	*	*	*	*	*	*	*	*	*	*
9.5S	120	*	*	*	*	*	*	*	*	*	*	*
10.5S	150	10	*	*	*	*	*	*	*	*	*	*
11.5S	100	60	*	*	*	*	*	*	*	*	*	*
12.5S	200	20	*	*	*	*	*	*	*	*	*	*
13.5S	100	*	*	*	*	*	*	*	*	*	*	*
14.5S	20	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	10	*	*	*	*	*	*	*	*	*	*	*
20.5S	30	*	*	*	*	*	*	*	*	*	*	*
21.5S	80	10	*	*	*	*	*	*	*	*	*	*
22.5S	180	30	*	*	*	*	*	*	*	*	*	*
23.5S	220	50	*	*	*	*	*	*	*	*	*	*
24.5S	280	80	5	*	*	*	*	*	*	*	*	*
25.5S	300	130	10	*	*	*	*	*	*	*	*	*
26.5S	350	170	30	*	*	*	*	*	*	*	*	*
27.5S	350	270	80	*	*	*	*	*	*	*	*	*
28.5S	360	250	50	10	*	*	*	*	*	*	*	*
29.5S	360	260	70	15	10	*	*	*	*	*	*	*
30.5S	380	260	120	60	20	*	*	*	*	*	*	*
31.5S	380	330	250	120	50	10	*	*	*	*	*	*
32.5S	400	370	330	220	80	25	*	*	*	*	*	*
33.5S	450	420	400	360	200	40	*	*	*	*	*	*
34.5S	470	450	430	410	330	120	10	*	*	*	10	10
35.5S	480	460	440	420	400	320	160	50	10	10	50	150
36.5S	490	470	450	440	420	400	380	220	30	50	200	300
37.5S	450	470	460	380	430	450	440	350	380	400	410	500
38.5S	425	400	420	450	470	490	500	490	510	510	510	500
39.5S	420	330	425	450	475	500	510	510	510	510	510	500
40.5S	435	420	450	470	490	500	510	510	520	510	500	450
41.5S	450	420	470	480	490	500	510	520	520	510	490	400
42.5S	480	490	490	490	500	470	450	510	510	500	480	460
43.5S	490	500	510	500	510	510	480	500	500	490	480	500
44.5S	490	510	500	500	510	510	490	490	490	480	490	500

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	24.5	25.5	26.5	27.5	28.5	29.5	30.5	31.5	32.5	33.5	34.5	35.5
89.5N	440	440	440	440	440	440	440	440	440	440	440	440
88.5N	440	439	438	437	436	435	434	433	432	431	430	430
87.5N	420	419	418	417	416	415	414	413	412	411	410	410
86.5N	410	412	416	420	424	428	432	436	440	444	448	448
85.5N	410	409	407	405	403	401	399	397	395	393	391	389
84.5N	410	409	407	405	403	401	399	397	395	393	391	389
83.5N	411	408	404	400	396	392	388	384	380	376	372	368
82.5N	397	392	377	362	347	332	317	302	287	272	257	245
81.5N	202	192	177	162	147	132	117	102	87	72	57	49
80.5N	12	10	11	12	13	14	15	16	17	18	19	20
79.5N	*	*	0	0	0	4	10	15	20	20	20	20
78.5N	8	12	16	20	20	20	20	20	20	20	20	20
77.5N	11	14	17	20	20	20	20	20	20	20	20	20
76.5N	20	20	20	20	20	20	20	20	20	20	20	20
75.5N	20	20	20	20	20	20	20	20	20	20	20	20
74.5N	24	26	28	30	28	26	24	22	20	20	20	20
73.5N	30	30	30	30	30	30	30	30	30	30	30	30
72.5N	36	34	32	30	30	30	30	30	30	30	30	30
71.5N	30	30	30	30	30	30	30	30	30	30	30	30
70.5N	*	*	*	*	*	2	8	14	20	20	20	20
69.5N	*	*	*	*	*	*	*	*	5	11	14	16
68.5N	*	*	*	*	*	*	*	*	*	*	*	*
67.5N	*	*	*	*	*	*	*	*	*	*	*	*
66.5N	*	*	*	*	*	*	*	*	*	*	*	*
65.5N	*	*	*	*	*	*	*	*	*	*	*	1
64.5N	*	*	*	*	*	*	*	*	*	*	*	*
63.5N	*	*	*	*	*	*	*	*	*	*	*	*
62.5N	*	*	*	*	*	*	*	*	*	*	*	*
61.5N	*	*	*	*	*	*	*	*	*	*	*	*
60.5N	*	*	*	*	*	*	*	*	*	*	*	*
59.5N	4	2	*	*	*	*	*	*	*	*	*	*
58.5N	*	*	*	*	*	*	*	*	*	*	*	*
57.5N	*	*	*	*	*	*	*	*	*	*	*	*
56.5N	*	*	*	*	*	*	*	*	*	*	*	*
55.5N	*	*	*	*	*	*	*	*	*	*	*	*
54.5N	*	*	*	*	*	*	*	*	*	*	*	*
53.5N	*	*	*	*	*	*	*	*	*	*	*	*
52.5N	*	*	*	*	*	*	*	*	*	*	*	*
51.5N	*	*	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	*	*	*	*	*	*	*	*	*	*	*	*
48.5N	*	*	*	*	*	*	*	*	*	*	*	*
47.5N	*	*	*	*	*	*	*	*	*	*	*	*
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	*	*	*	*	*	3	5	5	1

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	24.5	25.5	26.5	27.5	28.5	29.5	30.5	31.5	32.5	33.5	34.5	35.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	5
21.5S	*	*	*	*	*	*	*	*	*	*	*	50
22.5S	*	*	*	*	*	*	*	*	*	*	*	50
23.5S	*	*	*	*	*	*	*	*	*	*	*	30
24.5S	*	*	*	*	*	*	*	*	*	*	*	40
25.5S	*	*	*	*	*	*	*	*	*	30	40	80
26.5S	*	*	*	*	*	*	*	*	*	60	100	140
27.5S	*	*	*	*	*	*	*	*	10	110	150	180
28.5S	*	*	*	*	*	*	*	*	70	170	190	210
29.5S	*	*	*	*	*	*	*	10	140	230	215	210
30.5S	*	*	*	*	*	*	100	160	250	300	280	230
31.5S	*	*	*	*	*	*	170	320	320	320	270	230
32.5S	*	*	*	*	10	170	330	350	335	320	320	170
33.5S	*	*	*	10	18	340	370	380	340	320	220	180
34.5S	20	100	200	300	400	410	410	400	370	330	260	280
35.5S	250	380	410	410	420	420	420	410	390	340	350	420
36.5S	400	420	400	410	410	415	430	420	410	400	420	510
37.5S	430	350	360	380	390	420	440	440	420	470	490	510
38.5S	420	320	320	410	420	430	440	460	440	460	510	510
39.5S	380	290	280	310	400	430	460	490	480	490	500	490
40.5S	350	270	260	280	410	450	490	500	500	500	490	480
41.5S	330	290	320	350	450	480	500	500	510	500	490	470
42.5S	440	450	450	450	510	520	520	510	510	510	480	440
43.5S	510	510	510	510	525	530	530	520	510	480	380	350
44.5S	510	510	520	525	540	540	530	520	500	450	350	270

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

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DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	36.5	37.5	38.5	39.5	40.5	41.5	42.5	43.5	44.5	45.5	46.5	47.5
44.5N	80	50	30	*	*	*	*	*	*	*	*	*
43.5N	220	210	190	90	*	*	*	*	*	*	*	*
42.5N	210	210	210	190	140	*	*	*	*	*	*	*
41.5N	20	100	180	160	140	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	90	*	*	*	*	*	*	*	*	*	*	*
24.5N	100	*	*	*	*	*	*	*	*	*	*	*
23.5N	90	70	*	*	*	*	*	*	*	*	*	*
22.5N	50	110	50	*	*	*	*	*	*	*	*	*
21.5N	*	70	90	*	*	*	*	*	*	*	*	*
20.5N	*	50	120	10	*	*	*	*	*	*	*	*
19.5N	*	5	110	80	10	*	*	*	*	*	*	*
18.5N	*	*	20	80	50	*	*	*	*	*	*	*
17.5N	*	*	*	60	70	5	*	*	*	*	*	*
16.5N	*	*	*	5	50	50	*	*	*	*	*	*
15.5N	*	*	*	*	*	5	50	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	10	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	100
12.5N	*	*	*	*	*	*	*	*	30	20	120	190
11.5N	*	*	*	*	*	*	*	*	50	100	190	200
10.5N	*	*	*	*	*	*	*	*	*	20	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	150
2.5N	*	*	*	*	*	*	*	*	*	*	10	100
1.5N	*	*	*	*	*	*	*	*	*	50	200	340
0.5N	*	*	*	*	*	*	*	*	*	50	220	360
										4	6	440

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	36.5	37.5	38.5	39.5	40.5	41.5	42.5	43.5	44.5	45.5	46.5	47.5
0.5S	*	*	*	*	*	*	50	260	360	425	450	470
1.5S	*	*	*	*	*	30	220	320	390	450	500	500
2.5S	*	*	*	*	*	5	200	320	360	410	465	510
3.5S	*	*	*	*	*	70	290	350	380	440	470	500
4.5S	*	*	*	*	*	150	280	350	410	450	480	500
5.5S	*	*	*	*	20	170	290	360	410	440	450	470
6.5S	*	*	*	*	20	170	290	350	400	430	440	450
7.5S	*	*	*	10	180	300	350	400	420	425	435	460
8.5S	*	*	*	50	200	300	350	390	410	415	420	420
9.5S	*	*	*	10	250	290	300	350	390	400	300	350
10.5S	*	*	*	*	*	50	200	280	320	360	390	410
11.5S	*	*	*	*	*	5	200	280	200	300	360	330
12.5S	*	*	*	*	*	20	250	300	200	170	250	200
13.5S	*	*	*	*	*	100	200	310	320	310	310	310
14.5S	*	*	*	*	*	*	240	300	320	300	310	220
15.5S	*	*	*	*	*	20	230	280	270	120	120	5
16.5S	*	*	*	*	5	150	210	180	50	*	*	*
17.5S	*	10	100	180	210	200	210	20	*	*	*	*
18.5S	5	50	190	210	220	180	180	100	*	*	*	*
19.5S	60	150	230	240	240	230	220	130	*	*	*	*
20.5S	120	220	270	270	260	260	230	100	*	*	*	*
21.5S	160	290	310	300	280	300	220	5	*	*	*	*
22.5S	160	290	310	310	300	320	270	*	*	*	*	*
23.5S	210	310	340	340	330	340	310	150	*	*	*	*
24.5S	220	320	370	370	360	370	340	180	*	*	*	100
25.5S	220	340	400	400	390	400	380	320	50	*	50	250
26.5S	260	420	420	420	420	420	420	360	200	140	130	300
27.5S	280	450	440	440	440	435	420	350	190	180	170	230
28.5S	360	490	460	460	470	450	420	360	200	220	250	340
29.5S	300	500	480	480	480	440	410	340	270	250	280	370
30.5S	410	510	510	510	460	420	380	280	240	235	290	360
31.5S	430	510	510	510	450	380	280	220	230	230	300	350
32.5S	400	500	500	510	450	370	280	220	220	230	310	340
33.5S	400	510	510	510	480	420	380	250	210	245	310	330
34.5S	450	530	530	520	510	480	400	300	220	260	300	320
35.5S	510	500	500	500	500	500	420	350	280	270	310	320
36.5S	520	510	500	500	500	480	440	350	280	280	310	320
37.5S	520	520	510	510	510	500	450	400	310	310	350	300
38.5S	510	500	480	480	460	440	420	350	300	300	300	290
39.5S	500	480	440	430	410	380	350	300	300	300	290	290
40.5S	480	460	430	400	360	330	280	250	300	280	290	300
41.5S	450	430	410	380	300	250	220	230	290	290	310	320
42.5S	420	420	390	320	270	230	250	300	310	310	310	310
43.5S	330	320	280	250	280	280	310	310	280	260	320	290
44.5S	230	220	220	300	290	260	200	180	210	290	280	260

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUDE

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 DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	48.5°	49.5°	50.5°	51.5°	52.5°	53.5°	54.5°	55.5°	56.5°	57.5°	58.5°	59.5°
44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	2	2	*	*	*	*	*	*	*	*	*	*
28.5N	*	4	5	*	*	*	*	*	*	*	*	*
27.5N	*	3	7	4	*	*	*	*	*	*	*	*
26.5N	*	*	2	5	6	2	*	*	5	*	*	*
25.5N	*	*	*	*	3	3	4	*	*	20	50	20
24.5N	*	*	*	*	*	1	1	*	*	100	250	250
23.5N	*	*	*	*	*	*	*	*	*	*	*	240
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	50
20.5N	*	*	*	*	*	*	*	*	*	*	*	5
19.5N	*	*	*	*	*	*	*	*	*	*	150	310
18.5N	*	*	*	*	*	*	*	*	*	30	280	310
17.5N	*	*	*	*	*	*	*	50	150	200	300	310
16.5N	*	*	*	*	*	100	200	280	320	350	300	300
15.5N	*	*	*	*	120	210	320	300	250	310	370	360
14.5N	*	50	150	180	260	250	380	290	290	300	400	410
13.5N	150	250	250	280	200	210	290	360	300	300	390	410
12.5N	270	280	230	150	160	50	60	330	390	350	400	410
11.5N	100	20	10	20	180	200	300	340	400	400	400	410
10.5N	*	*	*	30	300	390	410	330	310	400	400	400
9.5N	*	*	*	150	420	450	450	390	400	380	350	380
8.5N	*	*	100	380	500	500	500	450	410	360	290	320
7.5N	*	*	250	480	510	500	510	480	450	400	320	300
6.5N	*	70	350	510	510	500	500	510	470	430	390	320
5.5N	5	270	470	520	510	500	500	480	460	420	400	350
4.5N	100	300	470	510	500	500	500	490	470	450	430	415
3.5N	340	380	470	490	500	500	500	500	480	465	450	430
2.5N	410	440	500	500	510	490	490	510	490	470	460	450
1.5N	450	470	500	500	510	510	490	500	485	470	460	460
0.5N	465	490	510	510	510	500	490	480	480	470	460	460

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	48.5	49.5	50.5	51.5	52.5	53.5	54.5	55.5	56.5	57.5	58.5	59.5
0.5S	485	500	510	510	510	500	470	465	465	465	460	460
1.5S	490	490	500	500	500	480	460	450	460	460	460	450
2.5S	490	490	490	480	470	450	420	390	430	440	420	420
3.5S	500	510	520	500	450	350	300	150	300	400	400	380
4.5S	500	510	510	500	425	330	100	10	100	280	390	400
5.5S	490	480	500	500	420	100	320	200	100	150	340	400
6.5S	475	480	500	500	370	300	340	320	200	190	210	350
7.5S	460	450	450	450	400	380	400	350	270	270	230	230
8.5S	450	440	420	370	450	400	410	390	360	320	280	160
9.5S	440	440	250	150	420	450	430	400	370	340	310	150
10.5S	440	410	250	300	420	450	430	400	250	400	350	200
11.5S	350	220	360	410	420	450	435	420	410	410	400	120
12.5S	5	5	310	410	420	440	430	420	420	420	410	.80
13.5S	*	*	220	410	420	420	430	420	420	420	410	370
14.5S	*	*	150	400	415	430	430	420	430	420	410	370
15.5S	*	*	50	400	425	450	430	420	420	420	410	370
16.5S	*	*	150	400	440	470	450	430	420	410	400	250
17.5S	*	100	370	430	460	490	465	440	420	410	290	50
18.5S	*	150	440	470	490	490	490	450	420	380	270	150
19.5S	*	210	450	510	520	510	490	460	430	340	250	280
20.5S	*	250	460	500	480	410	400	250	400	220	300	400
21.5S	100	360	460	480	450	410	400	150	390	420	430	440
22.5S	200	410	450	460	460	450	430	390	400	440	470	460
23.5S	320	430	470	490	490	480	460	440	430	470	500	480
24.5S	400	440	490	510	510	510	490	480	470	480	510	500
25.5S	420	470	510	510	510	510	510	500	510	510	540	530
26.5S	430	480	510	510	510	510	510	520	520	530	560	570
27.5S	430	480	510	510	510	510	510	510	520	520	520	520
28.5S	430	470	490	510	510	510	500	490	500	480	450	430
29.5S	420	450	470	490	500	490	490	480	470	440	400	380
30.5S	400	430	460	475	480	470	460	450	430	410	350	370
31.5S	390	400	430	450	460	440	430	420	410	340	320	380
32.5S	370	390	410	450	440	410	400	380	340	300	370	450
33.5S	360	380	400	430	410	380	340	310	300	340	420	450
34.5S	350	370	400	410	380	330	300	310	420	420	450	460
35.5S	330	340	350	360	350	320	330	410	410	450	460	470
36.5S	320	320	300	310	300	340	370	430	460	460	470	480
37.5S	290	290	290	290	340	370	420	460	460	470	480	490
38.5S	290	290	300	340	400	420	460	470	480	485	490	500
39.5S	290	300	340	380	390	440	470	480	490	500	510	520
40.5S	320	360	360	380	410	450	470	490	510	510	520	530
41.5S	330	340	340	360	410	440	465	490	510	510	520	530
42.5S	310	300	280	340	400	430	460	480	510	510	520	530
43.5S	250	230	240	320	380	390	430	470	510	510	520	520
44.5S	220	150	200	300	375	385	410	440	470	490	510	500

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	60.5	61.5	62.5	63.5	64.5	65.5	66.5	67.5	68.5	69.5	70.5	71.5
44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	220	200	200	200	200	200	150	*	*	*	*	*
23.5N	310	320	290	280	250	200	60	15	*	*	*	*
22.5N	280	310	300	260	180	200	180	50	10	*	*	*
21.5N	290	220	280	310	280	270	220	170	70	*	*	*
20.5N	310	310	320	320	310	290	250	290	280	50	5	5
19.5N	300	330	340	330	320	300	280	300	310	120	10	10
18.5N	310	350	355	345	340	315	310	320	310	280	50	10
17.5N	355	310	380	360	355	330	330	330	330	310	250	50
16.5N	410	390	390	375	370	350	350	360	360	320	300	160
15.5N	410	410	400	390	380	370	370	380	380	350	310	230
14.5N	415	420	410	400	390	390	390	400	400	370	310	230
13.5N	420	425	420	410	400	400	410	410	410	380	310	150
12.5N	430	430	430	420	415	415	420	420	420	400	320	160
11.5N	440	440	440	430	430	430	430	430	430	415	350	200
10.5N	430	450	450	440	440	440	440	440	440	430	380	250
9.5N	410	440	450	450	450	450	450	450	450	450	430	350
8.5N	370	430	450	450	460	460	460	460	460	450	430	350
7.5N	350	390	430	440	450	450	450	460	460	450	430	360
6.5N	310	380	390	400	410	425	440	460	450	450	440	380
5.5N	350	320	320	350	380	400	420	420	430	435	430	380
4.5N	380	360	320	300	340	350	350	380	410	420	410	390
3.5N	410	380	360	350	300	290	300	340	400	410	410	400
2.5N	430	420	390	390	340	300	290	320	390	400	410	390
1.5N	450	430	400	410	380	320	300	300	370	400	410	380
0.5N	460	440	410	410	400	360	310	300	380	400	400	400

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	60.5	61.5	62.5	63.5	64.5	65.5	66.5	67.5	68.5	69.5	70.5	71.5
0.5S	460	450	430	420	410	390	350	300	310	380	410	410
1.5S	450	460	460	460	440	400	350	300	310	390	400	410
2.5S	430	460	450	450	450	410	340	290	290	380	410	410
3.5S	400	400	430	440	440	400	350	300	500	380	400	410
4.5S	350	350	400	425	430	400	390	350	300	350	390	320
5.5S	400	400	410	420	420	400	400	350	290	310	350	200
6.5S	390	410	410	410	410	400	380	330	290	310	270	150
7.5S	320	380	390	410	410	400	360	320	300	300	220	60
8.5S	150	260	350	410	410	400	350	350	330	300	240	200
9.5S	50	130	250	390	410	400	350	320	310	310	290	290
10.5S	30	10	120	340	410	330	290	310	320	330	330	330
11.5S	150	30	130	360	400	320	280	310	325	340	350	370
12.5S	250	120	220	390	380	320	250	280	380	360	380	420
13.5S	180	150	310	410	380	310	260	280	330	370	400	450
14.5S	30	70	310	400	370	320	280	280	310	320	390	440
15.5S	20	150	360	390	350	310	300	320	320	340	380	430
16.5S	180	300	400	390	330	310	300	310	330	360	410	450
17.5S	250	320	370	350	310	300	290	300	330	370	430	460
18.5S	300	320	330	300	290	290	280	310	330	350	380	430
19.5S	380	280	280	200	300	280	270	280	310	340	370	400
20.5S	420	420	350	330	320	290	270	270	280	330	360	390
21.5S	435	420	390	370	330	290	280	280	280	330	350	380
22.5S	445	430	420	420	360	310	290	290	300	300	310	370
23.5S	460	440	420	410	370	350	340	330	320	290	300	320
24.5S	480	460	430	400	380	380	390	370	320	290	310	310
25.5S	490	450	420	400	390	390	400	400	340	300	300	325
26.5S	500	460	410	390	390	400	410	415	380	350	340	335
27.5S	470	420	400	390	400	410	420	430	410	420	380	360
28.5S	400	400	400	410	450	460	430	440	430	430	420	390
29.5S	400	380	430	460	490	480	470	450	440	450	440	420
30.5S	390	430	480	490	480	480	470	460	450	450	450	440
31.5S	460	460	490	490	480	480	480	470	460	460	450	450
32.5S	460	480	490	490	480	480	480	470	460	460	450	450
33.5S	460	470	480	480	480	480	480	470	470	460	460	440
34.5S	470	470	480	490	490	480	480	470	470	460	460	430
35.5S	480	480	490	490	490	80	480	470	460	460	450	460
36.5S	490	490	500	510	500	490	480	470	460	460	450	450
37.5S	500	510	510	510	500	480	470	460	450	450	440	440
38.5S	510	510	520	510	490	480	470	450	440	435	430	430
39.5S	525	520	510	500	480	465	450	440	430	425	420	420
40.5S	540	530	510	490	480	465	450	440	430	420	410	410
41.5S	530	515	500	490	475	460	450	440	430	420	400	390
42.5S	520	510	490	470	440	440	440	430	420	410	390	370
43.5S	510	490	460	430	430	420	420	420	420	410	380	350
44.5S	490	470	460	410	400	390	390	400	400	380	370	330

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
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OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
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OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	72.5	73.5	74.5	75.5	76.5	77.5	78.5	79.5	80.5	81.5	82.5	83.5
44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	5	*	*	*	*	*	*	*	*	*	*	*
19.5N	5	*	*	*	*	*	*	*	*	*	*	*
18.5N	5	*	*	*	*	*	*	*	*	*	*	*
17.5N	10	*	*	*	*	*	*	*	*	*	*	100
16.5N	40	*	*	*	*	*	*	*	*	*	120	230
15.5N	150	10	*	*	*	*	*	*	*	50	170	240
14.5N	130	30	*	*	*	*	*	*	150	300	310	320
13.5N	110	150	*	*	*	*	*	*	100	320	335	330
12.5N	110	170	50	*	*	*	*	*	100	340	350	340
11.5N	130	200	120	*	*	*	*	*	230	350	350	350
10.5N	150	190	200	100	*	*	*	*	170	350	360	360
9.5N	220	200	210	120	*	*	*	*	5	340	370	370
8.5N	320	210	230	150	60	*	100	100	5	150	380	380
7.5N	200	210	250	180	100	50	200	150	*	*	380	390
6.5N	220	180	260	210	200	230	290	250	*	*	390	400
5.5N	250	120	280	245	250	260	370	400	380	400	410	410
4.5N	260	100	300	280	290	300	350	410	410	410	410	425
3.5N	250	80	300	310	340	370	380	425	425	425	420	420
2.5N	280	100	250	310	380	410	425	440	440	440	430	430
1.5N	230	160	260	350	400	430	450	450	450	450	440	440
0.5N	220	150	320	420	440	460	460	455	460	460	450	450

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	72.5	73.5	74.5	75.5	76.5	77.5	78.5	79.5	80.5	81.5	82.5	83.5
0.5S	270	180	320	450	460	470	470	460	470	470	460	460
1.5S	360	220	320	460	475	480	470	470	480	480	460	460
2.5S	350	310	400	470	490	490	480	480	490	490	400	400
3.5S	370	310	430	480	500	510	490	490	500	500	400	400
4.5S	150	280	440	500	510	510	510	500	500	510	480	490
5.5S	100	310	490	500	510	510	510	510	510	510	500	500
6.5S	100	380	480	500	510	510	510	510	510	510	500	500
7.5S	170	400	480	510	520	520	510	510	510	500	500	490
8.5S	260	450	470	510	520	520	510	510	500	510	500	490
9.5S	350	490	500	520	530	530	520	510	510	510	510	500
10.5S	380	500	510	520	530	530	520	510	510	510	500	490
11.5S	420	500	510	520	520	520	520	510	510	500	500	410
12.5S	460	510	510	510	510	520	520	510	510	500	500	400
13.5S	510	500	510	510	510	510	510	510	510	510	500	460
14.5S	480	500	500	500	510	510	510	510	510	510	500	490
15.5S	470	490	490	490	500	505	510	510	500	520	510	490
16.5S	470	500	490	480	490	500	490	500	510	510	510	500
17.5S	450	490	490	475	490	490	490	500	510	510	510	510
18.5S	450	450	460	470	480	480	480	490	500	510	510	510
19.5S	470	440	460	470	480	480	480	490	500	510	510	500
20.5S	415	430	450	460	470	470	470	480	490	500	500	490
21.5S	415	430	440	460	460	470	470	480	480	490	490	470
22.5S	400	420	435	450	460	460	460	470	470	480	470	450
23.5S	360	400	425	440	440	460	460	460	460	470	460	450
24.5S	350	380	415	430	440	450	460	460	450	460	450	440
25.5S	350	370	400	420	425	430	440	450	450	450	450	430
26.5S	340	330	320	380	410	420	425	440	440	450	450	430
27.5S	340	310	320	335	370	410	415	420	430	450	450	420
28.5S	350	310	310	315	330	370	390	410	420	450	450	400
29.5S	380	350	320	280	310	350	380	400	420	420	420	390
30.5S	420	380	340	300	280	330	370	390	400	410	400	385
31.5S	440	420	360	320	290	310	350	380	390	400	390	360
32.5S	460	430	380	350	320	320	350	375	380	385	370	350
33.5S	450	450	400	360	330	310	350	360	370	365	365	350
34.5S	440	430	420	370	320	300	340	350	360	350	350	360
35.5S	450	430	400	370	340	310	325	340	350	345	350	360
36.5S	450	430	400	360	320	260	310	330	345	345	350	360
37.5S	430	420	390	350	310	200	290	320	350	350	360	370
38.5S	420	410	400	360	290	200	200	310	335	355	355	360
39.5S	410	400	370	330	250	220	230	290	315	340	350	355
40.5S	400	380	350	310	240	300	280	270	310	325	330	340
41.5S	380	370	350	310	310	310	310	290	300	310	315	320
42.5S	370	360	340	310	310	310	310	310	310	310	310	315
43.5S	350	340	320	310	310	310	310	310	320	315	315	315
44.5S	330	320	310	310	310	320	320	320	330	320	320	320

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
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OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
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DEGREES EAST LONGITUDE

	84.5	85.5	86.5	87.5	88.5	89.5	90.5	91.5	92.5	93.5	94.5	95.5
44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	5	10	10	5	*	*	*	*
20.5N	*	*	*	10	80	30	15	15	*	*	*	*
19.5N	*	5	100	170	150	140	130	120	50	10	*	*
18.5N	20	190	200	210	200	200	200	200	200	100	*	*
17.5N	230	220	225	230	220	220	220	220	225	180	*	*
16.5N	290	250	250	250	250	250	240	240	240	180	*	*
15.5N	300	280	275	275	275	275	260	260	250	150	10	10
14.5N	310	300	300	290	290	290	275	280	260	90	20	15
13.5N	325	315	315	310	310	300	290	300	120	100	200	150
12.5N	340	330	330	320	320	310	310	300	60	150	150	230
11.5N	350	345	340	330	330	320	325	220	50	150	230	260
10.5N	360	360	350	340	340	330	330	238	50	200	280	240
9.5N	370	370	360	350	345	340	320	240	100	250	250	220
8.5N	380	380	370	360	355	350	320	370	200	100	230	180
7.5N	400	400	380	370	375	330	320	380	300	70	200	150
6.5N	390	390	390	380	390	340	300	370	360	100	200	180
5.5N	400	400	400	390	400	350	280	370	410	230	200	*
4.5N	410	410	410	410	410	370	320	380	430	250	200	*
3.5N	420	420	420	420	410	370	290	380	430	360	250	120
2.5N	430	430	430	430	420	380	290	380	425	450	350	200
1.5N	440	440	440	440	430	390	350	425	430	440	450	470
0.5N	450	450	450	450	440	370	410	450	440	440	450	475

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	84.5	85.5	86.5	87.5	88.5	89.5	90.5	91.5	92.5	93.5	94.5	95.5
0.5S	460	460	460	460	450	380	420	460	450	440	450	470
1.5S	470	470	470	470	460	440	440	460	460	450	460	480
2.5S	460	480	480	480	460	400	420	470	470	460	470	500
3.5S	480	490	490	480	460	400	440	480	480	470	480	500
4.5S	490	500	500	500	470	380	470	490	490	480	500	510
5.5S	500	500	500	500	430	390	500	500	495	490	500	500
6.5S	500	500	510	500	400	400	510	510	510	500	510	510
7.5S	490	500	510	500	400	420	510	510	510	510	520	520
8.5S	490	500	500	490	420	440	510	500	510	520	520	520
9.5S	500	500	490	450	400	480	520	520	520	520	510	510
10.5S	500	490	490	420	300	420	520	535	540	535	500	500
11.5S	500	500	480	420	290	450	540	520	550	550	520	460
12.5S	500	500	450	400	300	500	530	540	570	570	530	420
13.5S	500	460	430	350	300	470	520	540	580	560	520	410
14.5S	500	400	290	310	320	480	520	550	560	560	520	460
15.5S	490	420	440	300	380	490	480	530	560	560	540	520
16.5S	490	490	480	320	380	500	480	560	550	550	550	535
17.5S	500	460	460	300	390	530	540	560	550	540	535	550
18.5S	500	480	430	220	400	530	560	580	560	540	510	530
19.5S	490	470	420	270	400	520	540	520	540	540	510	530
20.5S	480	460	420	270	360	500	500	490	500	500	515	530
21.5S	465	460	410	270	330	500	480	480	490	500	520	530
22.5S	450	460	400	270	350	500	480	490	500	510	520	530
23.5S	450	460	410	270	350	500	480	490	510	520	530	540
24.5S	440	460	410	270	340	500	480	480	500	520	540	550
25.5S	440	470	400	270	320	500	480	480	500	520	525	530
26.5S	440	480	330	220	320	480	480	480	490	490	480	490
27.5S	420	450	300	140	310	420	440	450	440	410	400	415
28.5S	400	410	280	200	360	400	400	400	390	350	330	350
29.5S	380	380	260	190	340	300	310	310	310	280	280	300
30.5S	375	340	275	220	200	200	230	230	230	170	200	210
31.5S	350	340	260	180	290	340	360	350	320	250	270	250
32.5S	350	340	280	200	320	400	410	410	410	410	400	450
33.5S	350	340	290	280	360	400	410	415	420	425	430	430
34.5S	360	350	320	350	400	405	410	415	415	420	425	425
35.5S	365	370	375	390	400	400	405	405	405	410	410	415
36.5S	365	370	375	380	390	390	400	400	400	400	410	420
37.5S	380	370	370	370	380	380	385	390	390	390	390	400
38.5S	375	360	355	365	370	370	370	380	380	380	380	390
39.5S	355	360	350	350	355	360	360	365	370	370	375	385
40.5S	340	330	340	330	340	340	350	350	360	360	370	370
41.5S	320	320	320	320	330	325	330	330	340	340	350	360
42.5S	315	315	315	310	310	310	310	310	320	320	370	350
43.5S	315	315	310	305	300	300	300	300	300	300	300	400
44.5S	320	315	315	310	310	310	305	300	300	290	290	300

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	96.5	97.5	98.5	99.5	100.5	101.5	102.5	103.5	104.5	105.5	106.5	107.5
44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	3
19.5N	*	*	*	*	*	*	*	*	*	*	4	4
18.5N	*	*	*	*	*	*	*	*	*	*	6	6
17.5N	*	*	*	*	*	*	*	*	*	*	8	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	10	5	*	*	*	*	*	*	*	*	*	*
14.5N	15	10	*	*	*	*	*	*	*	*	*	*
13.5N	30	10	*	*	*	*	*	*	*	*	*	*
12.5N	100	10	*	*	*	1	*	*	*	*	*	*
11.5N	120	15	*	*	*	4	6	3	*	*	*	*
10.5N	80	20	*	*	*	6	7	5	*	*	*	*
9.5N	70	20	*	*	*	4	7	6	4	*	*	1
8.5N	80	30	*	*	*	2	6	8	3	1	2	5
7.5N	80	40	5	*	*	1	4	6	6	5	4	6
6.5N	120	60	10	*	*	*	*	5	5	7	5	6
5.5N	50	50	10	5	*	*	*	*	5	7	7	7
4.5N	*	*	5	5	*	*	*	*	*	7	7	8
3.5N	20	*	*	*	*	*	*	*	*	6	7	7
2.5N	50	*	*	*	*	5	*	*	*	5	6	7
1.5N	300	5	*	*	*	*	*	*	*	3	5	6
0.5N	500	150	10	*	*	*	*	*	*	3	5	6

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	96.5	97.5	98.5	99.5	100.5	101.5	102.5	103.5	104.5	105.5	106.5	107.5
0.5S	460	350	50	50	*	*	*	*	*	3	4	5
1.5S	400	500	150	100	*	*	*	*	*	*	1	4
2.5S	450	470	500	150	50	*	*	*	*	*	*	*
3.5S	500	450	500	500	50	*	*	*	*	*	1	1
4.5S	510	480	430	520	350	100	*	*	*	*	2	3
5.5S	510	500	460	510	580	300	50	180	*	*	2	4
6.5S	510	520	520	510	540	520	350	200	150	10	*	*
7.5S	520	530	540	535	540	540	450	470	400	320	100	*
8.5S	520	530	540	550	560	550	540	580	600	500	350	300
9.5S	500	510	520	530	550	560	550	560	530	550	580	500
10.5S	510	510	500	480	500	540	520	580	440	300	550	600
11.5S	420	480	510	460	500	500	530	500	360	520	550	550
12.5S	380	500	570	590	560	500	550	580	550	550	540	520
13.5S	460	530	570	600	610	610	610	610	590	580	560	540
14.5S	430	450	530	570	600	610	610	610	600	590	570	570
15.5S	520	520	520	540	580	600	600	610	600	600	600	580
16.5S	540	560	510	580	600	610	620	620	600	610	610	600
17.5S	565	590	600	610	610	620	610	600	590	600	610	610
18.5S	570	590	610	610	610	600	600	590	580	600	590	580
19.5S	570	580	600	610	610	600	590	580	560	600	590	560
20.5S	540	570	600	610	600	600	580	560	540	550	560	520
21.5S	540	510	600	600	590	570	550	410	320	500	540	480
22.5S	550	570	580	590	580	560	550	420	280	400	480	380
23.5S	550	560	570	575	570	560	560	540	550	550	520	350
24.5S	550	560	560	560	560	560	560	560	560	560	540	340
25.5S	530	540	540	480	520	550	550	550	550	550	530	500
26.5S	510	510	510	500	450	530	535	530	535	540	530	540
27.5S	450	470	480	490	510	515	510	510	520	530	530	540
28.5S	400	420	420	440	480	500	440	450	510	515	525	535
29.5S	360	300	360	380	430	490	500	500	500	460	510	520
30.5S	270	300	250	290	380	400	450	500	500	510	510	520
31.5S	200	250	230	250	280	320	450	510	491	490	510	500
32.5S	420	450	460	400	420	350	420	500	510	500	500	500
33.5S	440	450	450	450	450	500	470	510	510	510	520	500
34.5S	430	440	445	450	470	490	530	510	510	520	520	510
35.5S	425	430	445	450	460	470	480	520	520	510	500	500
36.5S	430	440	445	450	460	470	480	490	510	520	510	510
37.5S	415	420	425	450	455	465	480	490	480	480	480	500
38.5S	400	410	420	430	450	460	470	470	465	465	470	470
39.5S	390	390	410	410	440	460	460	450	450	450	430	420
40.5S	380	380	390	390	390	400	410	410	425	430	420	410
41.5S	370	375	370	370	380	380	380	385	390	420	420	420
42.5S	360	350	350	360	370	360	350	365	375	380	390	400
43.5S	390	370	340	350	360	350	330	360	380	400	400	390
44.5S	350	350	330	340	350	360	360	370	370	375	380	380

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

DEGREES EAST LONGITUDE
108.5 109.5 110.5 111.5 112.5 113.5 114.5 115.5 116.5 117.5 118.5 119.5

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUDE
 108.5 109.5 110.5 111.5 112.5 113.5 114.5 115.5 116.5 117.5 118.5 119.5

0.5S	2	*	*	*	*	*	*	*	*	50	240	170
1.5S	3	1	*	*	*	*	*	*	*	130	300	*
2.5S	1	3	*	*	*	*	*	*	*	70	180	*
3.5S	2	3	2	2	*	*	*	*	1	80	180	*
4.5S	4	5	5	5	5	3	1	2	4	150	160	*
5.5S	5	5	5	6	6	7	5	5	6	10	50	*
6.5S	*	1	*	*	*	*	*	8	4	30	40	40
7.5S	*	*	*	*	*	*	50	100	100	120	250	420
8.5S	220	200	50	20	20	20	*	10	*	*	*	180
9.5S	380	300	250	250	300	320	400	320	320	320	200	20
10.5S	550	550	580	560	520	450	400	350	380	380	350	250
11.5S	520	480	470	450	410	500	550	580	600	590	500	500
12.5S	500	410	480	450	400	520	480	520	550	560	500	480
13.5S	500	500	560	560	540	560	600	570	560	560	540	400
14.5S	560	510	560	530	420	510	600	590	580	565	520	350
15.5S	580	570	560	520	450	500	580	600	590	570	470	220
16.5S	600	580	560	500	360	330	380	500	500	450	300	100
17.5S	600	570	530	470	380	250	230	260	250	190	100	30
18.5S	550	520	430	370	300	200	120	140	120	60	30	18
19.5S	500	480	380	250	150	90	60	40	20	10	5	5
20.5S	490	560	380	190	100	90	50	10	*	*	*	*
21.5S	410	550	500	420	360	120	10	*	*	*	*	*
22.5S	400	400	480	470	300	60	*	*	*	*	*	*
23.5S	290	410	480	360	100	10	*	*	*	*	*	*
24.5S	290	420	350	170	40	*	*	*	*	*	*	*
25.5S	460	420	270	150	30	5	*	*	*	*	*	*
26.5S	550	500	400	250	60	*	*	*	*	*	*	*
27.5S	550	560	550	350	150	10	*	*	*	*	*	*
28.5S	550	560	560	490	300	50	*	*	*	*	*	*
29.5S	535	550	550	550	470	250	50	*	*	*	*	*
30.5S	510	520	540	500	510	440	150	*	*	*	*	*
31.5S	500	510	520	520	500	480	300	*	*	*	*	*
32.5S	500	500	500	480	470	380	120	*	*	*	*	*
33.5S	500	430	300	320	320	200	30	*	*	*	*	*
34.5S	500	400	260	260	260	200	50	*	*	*	*	*
35.5S	500	500	470	460	460	450	350	250	150	200	250	320
36.5S	500	500	510	510	510	500	500	500	480	480	510	520
37.5S	520	500	500	490	490	410	490	500	510	540	520	540
38.5S	475	475	470	465	420	420	460	490	510	520	510	540
39.5S	440	450	450	440	450	440	460	480	490	500	510	500
40.5S	425	425	430	435	440	460	460	470	480	490	490	490
41.5S	410	400	410	430	450	455	460	465	475	480	480	480
42.5S	390	390	400	425	435	440	450	460	465	470	470	470
43.5S	380	380	390	395	410	425	440	450	460	460	460	460
44.5S	380	380	390	400	415	430	440	450	450	450	450	450

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

DEGREES EAST LONGITUDE
108.5 109.5 110.5 111.5 112.5 113.5 114.5 115.5 116.5 117.5 118.5 119.5

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUDE
 120.5 121.5 122.5 123.5 124.5 125.5 126.5 127.5 128.5 129.5 130.5 131.5

44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	140
41.5N	*	*	*	*	*	*	*	*	*	*	170	310
40.5N	*	1	*	*	*	*	*	*	*	100	300	310
39.5N	1	*	*	1	1	*	*	*	120	220	230	300
38.5N	2	2	3	4	2	*	*	*	*	130	240	270
37.5N	*	*	1	3	4	3	*	*	*	*	180	210
36.5N	*	3	4	5	5	3	*	*	*	*	200	160
35.5N	2	3	5	7	5	4	1	*	*	*	70	60
34.5N	1	3	5	6	5	4	3	5	6	5	10	*
33.5N	*	1	4	6	5	3	*	6	6	*	*	*
32.5N	*	*	2	4	5	5	5	10	10	10	*	*
31.5N	*	*	1	3	5	7	10	10	10	10	*	20
30.5N	*	1	3	5	7	10	30	40	50	40	20	150
29.5N	*	*	4	7	10	30	50	80	80	70	150	400
28.5N	*	*	5	10	30	50	80	110	100	40	250	420
27.5N	*	5	10	10	50	80	120	120	60	180	500	480
26.5N	2	5	10	50	80	150	240	70	180	480	500	360
25.5N	7	10	70	140	200	180	140	250	520	580	420	330
24.5N	*	*	120	100	120	140	250	600	580	430	410	300
23.5N	*	*	280	420	430	430	550	610	560	500	480	520
22.5N	*	170	310	500	510	530	540	590	590	500	600	660
21.5N	150	260	280	500	520	500	570	580	550	600	630	580
20.5N	300	250	280	480	550	610	600	580	580	610	590	580
19.5N	280	190	230	450	540	560	550	560	570	590	590	620
18.5N	100	*	100	400	500	520	530	550	570	600	620	670
17.5N	*	*	50	380	460	340	450	520	560	600	600	620
16.5N	*	*	170	480	400	300	400	530	590	600	600	600
15.5N	*	*	200	370	480	410	450	540	540	590	600	580
14.5N	*	*	30	70	200	520	520	520	580	600	590	590
13.5N	100	*	*	*	80	630	560	530	580	610	620	600
12.5N	100	*	10	*	*	400	700	600	560	580	590	600
11.5N	10	10	*	10	*	50	700	660	590	580	590	610
10.5N	100	130	50	*	10	10	600	700	620	580	600	620
9.5N	200	430	70	*	70	50	400	730	610	590	590	610
8.5N	380	430	130	*	*	*	280	700	580	570	560	530
7.5N	420	200	60	130	*	*	160	700	600	560	520	480
6.5N	150	320	50	320	*	*	250	700	590	580	580	550
5.5N	120	300	360	490	360	180	320	600	600	590	600	540
4.5N	410	510	510	510	440	150	200	320	680	560	510	450
3.5N	480	520	520	500	140	130	220	300	470	480	350	360
2.5N	500	520	520	510	440	200	200	220	200	430	360	400
1.5N	220	200	260	300	100	170	210	50	70	370	400	410
0.5N	50	*	50	100	100	200	200	40	10	100	200	320

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE											
	132.5	133.5	134.5	135.5	136.5	137.5	138.5	139.5	140.5	141.5	142.5	143.5
89.5N	300	300	300	300	300	300	300	300	300	300	300	300
88.5N	170	166	162	161	163	165	167	169	171	173	175	177
87.5N	325	315	305	291	273	255	237	219	201	183	165	147
86.5N	390	386	382	366	338	310	282	254	226	198	170	142
85.5N	412	411	410	402	386	370	354	338	322	306	290	274
84.5N	412	411	410	399	378	357	336	315	294	273	252	231
83.5N	405	403	401	389	367	345	323	301	279	257	235	213
82.5N	400	400	400	388	364	340	316	292	268	244	220	196
81.5N	352	347	342	332	316	300	284	268	252	236	220	204
80.5N	345	343	341	331	313	295	277	259	241	223	205	187
79.5N	310	306	302	298	294	290	236	182	128	74	20	20
78.5N	140	128	116	104	92	80	67	54	41	28	15	15
77.5N	20	19	18	17	16	15	14	13	12	11	10	10
76.5N	15	13	11	9	7	5	5	5	5	5	5	5
75.5N	15	12	8	5	1	*	*	*	*	*	*	*
74.5N	10	9	8	7	6	5	5	5	5	5	5	5
73.5N	5	5	5	5	5	5	5	5	5	5	5	5
72.5N	5	5	5	5	5	5	5	5	5	5	5	5
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	*	*	*	*
69.5N	*	*	*	*	*	*	*	*	*	*	*	*
68.5N	*	*	*	*	*	*	*	*	*	*	*	*
67.5N	*	*	*	*	*	*	*	*	*	*	*	*
66.5N	*	*	*	*	*	*	*	*	*	*	*	*
65.5N	*	*	*	*	*	*	*	*	*	*	*	*
64.5N	*	*	*	*	*	*	*	*	*	*	*	*
63.5N	*	*	*	*	*	*	*	*	*	*	*	*
62.5N	*	*	*	*	*	*	*	*	*	*	*	*
61.5N	*	*	*	*	*	*	*	*	*	*	*	*
60.5N	*	*	*	*	*	*	*	*	*	*	*	*
59.5N	*	*	*	*	*	*	*	*	*	*	0	10
58.5N	*	*	*	*	*	*	*	*	*	0	12	20
57.5N	*	*	*	*	*	*	*	*	*	2	12	17
56.5N	*	*	*	*	*	*	*	*	12	17	22	22
55.5N	*	*	*	*	*	*	*	0	17	7	7	33
54.5N	*	*	*	*	*	*	4	5	6	*	0	27
53.5N	*	*	*	*	*	*	*	*	*	*	*	17
52.5N	*	*	*	*	*	*	*	*	*	*	*	0
51.5N	*	*	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	*	*	*	*	*	*	*	*	*	*	*	6
48.5N	*	*	*	*	*	*	*	*	20	50	30	*
47.5N	*	*	*	*	*	*	*	*	20	50	60	*
46.5N	*	*	*	*	*	*	*	20	80	110	50	10
45.5N	*	*	*	*	*	*	*	20	100	120	70	30

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

132.5 133.5 134.5 135.5 136.5 137.5 138.5 139.5 140.5 141.5 142.5 143.5

44.5N	*	*	*	*	30	180	200	170	50	20	*	*
43.5N	*	*	*	30	280	320	320	290	50	*	*	*
42.5N	130	150	180	210	300	330	330	230	*	*	*	*
41.5N	310	320	330	330	340	350	310	200	*	30	150	170
40.5N	310	300	260	280	300	320	310	200	*	*	70	210
39.5N	310	180	170	150	180	250	180	100	*	*	80	210
38.5N	280	200	200	300	230	180	100	*	*	*	100	280
37.5N	150	130	180	260	50	100	*	*	*	30	150	600
36.5N	130	80	130	100	*	*	*	*	*	100	550	650
35.5N	20	*	*	*	*	*	*	*	*	220	600	630
34.5N	*	*	*	*	*	70	120	80	280	580	700	580
33.5N	*	*	50	120	200	380	300	130	130	530	750	520
32.5N	100	120	280	430	450	420	300	120	160	480	600	570
31.5N	230	430	470	420	430	400	300	180	200	470	680	590
30.5N	320	420	430	430	420	420	300	190	220	380	700	610
29.5N	480	330	410	440	450	430	350	280	290	400	700	680
28.5N	350	400	390	470	470	480	420	320	300	380	420	700
27.5N	460	430	450	450	500	490	400	310	300	330	200	680
26.5N	480	450	500	400	510	500	500	450	230	300	220	550
25.5N	380	320	450	420	500	500	500	440	260	280	270	400
24.5N	450	490	500	500	480	510	500	470	280	200	300	550
23.5N	480	450	450	500	500	510	500	500	380	180	300	550
22.5N	590	530	450	480	490	460	470	470	410	290	320	380
21.5N	580	600	600	540	470	430	450	450	430	380	330	330
20.5N	590	610	590	500	460	470	480	470	450	440	300	400
19.5N	600	600	570	480	460	500	500	500	500	460	330	400
18.5N	600	590	560	500	530	510	500	510	500	450	370	400
17.5N	600	600	530	480	520	510	460	500	480	460	360	340
16.5N	620	620	500	500	510	520	480	500	500	500	350	360
15.5N	590	540	420	510	500	510	500	500	490	460	380	350
14.5N	600	550	420	510	500	500	480	500	500	460	350	350
13.5N	600	580	460	510	500	500	500	470	500	460	350	380
12.5N	590	580	400	450	480	500	510	500	400	330	350	370
11.5N	590	600	430	490	510	500	490	420	350	530	550	630
10.5N	600	600	450	480	490	460	580	420	430	600	620	530
9.5N	580	520	450	400	430	410	620	350	280	320	360	410
8.5N	500	500	350	420	370	530	400	330	420	330	280	320
7.5N	490	430	350	550	570	550	330	250	250	290	270	300
6.5N	420	330	500	510	510	470	440	440	430	370	280	300
5.5N	420	400	460	510	500	480	490	500	480	420	290	360
4.5N	330	400	440	470	480	480	490	460	430	350	300	380
3.5N	330	380	420	440	450	460	440	420	400	300	330	420
2.5N	410	400	390	420	440	440	430	420	380	290	360	420
1.5N	420	410	410	430	460	440	420	410	370	310	330	400
0.5N	420	410	410	440	480	430	390	340	320	310	320	360

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUDE
 132.5 133.5 134.5 135.5 136.5 137.5 138.5 139.5 140.5 141.5 142.5 143.5

0.5S	*	100	150	200	370	470	420	300	300	320	330	320
1.5S	*	*	2	5	20	*	250	320	310	320	310	160
2.5S	*	*	*	4	*	*	*	*	*	*	150	290
3.5S	100	*	*	*	*	*	*	*	*	*	*	*
4.5S	160	230	200	*	*	*	*	*	*	*	*	*
5.5S	80	250	80	7	5	*	*	*	*	*	*	*
6.5S	180	150	*	3	3	3	*	*	*	*	*	*
7.5S	100	5	4	6	5	2	*	*	*	*	*	*
8.5S	40	10	10	7	5	1	2	1	*	*	*	1
9.5S	10	10	10	7	5	5	4	4	2	0	*	1
10.5S	5	6	6	5	5	6	5	5	3	1	*	*
11.5S	*	*	*	1	3	3	6	6	5	5	*	1
12.5S	*	*	*	*	*	4	6	6	6	2	*	*
13.5S	*	*	*	*	*	1	4	6	7	4	*	*
14.5S	*	*	*	*	*	1	5	6	7	3	*	*
15.5S	*	*	*	*	*	*	4	5	5	4	*	*
16.5S	*	*	*	*	*	*	*	2	1	2	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	5	5	*	*	*	*	*	*	*	*	*	*
33.5S	15	10	*	*	*	*	*	*	*	*	*	*
34.5S	100	30	10	*	5	*	20	*	*	*	*	*
35.5S	250	280	200	15	*	*	*	*	*	*	*	*
36.5S	530	460	350	200	40	50	15	5	*	*	*	*
37.5S	560	510	250	200	290	250	120	40	*	*	*	*
38.5S	560	560	500	500	530	525	440	300	230	120	10	*
39.5S	570	560	560	550	540	530	520	510	480	450	260	30
40.5S	530	525	525	530	525	525	520	520	510	480	320	50
41.5S	490	490	500	510	510	510	510	510	510	490	420	280
42.5S	480	475	475	480	475	475	490	490	500	490	460	400
43.5S	470	460	460	465	460	465	485	480	470	475	460	430
44.5S	460	450	450	450	450	455	465	470	460	450	450	450

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

132.5 133.5 134.5 135.5 136.5 137.5 138.5 139.5 140.5 141.5 142.5 143.5

	OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE											
	144.5	145.5	146.5	147.5	148.5	149.5	150.5	151.5	152.5	153.5	154.5	155.5
89.5N	300	300	300	300	300	300	300	300	300	300	300	300
88.5N	179	183	190	197	204	211	218	225	232	239	246	250
87.5N	129	128	144	160	176	192	208	224	240	256	272	283
86.5N	114	105	115	125	135	145	155	165	175	185	195	207
85.5N	258	244	233	222	211	200	189	178	167	156	145	147
84.5N	210	200	200	200	200	200	200	200	200	200	200	204
83.5N	191	183	189	195	201	207	213	219	225	231	237	242
82.5N	172	164	172	180	188	196	204	212	220	228	236	241
81.5N	188	183	190	197	204	211	218	225	232	239	246	249
80.5N	169	161	163	165	167	169	171	173	175	177	179	182
79.5N	20	20	20	20	20	20	20	20	20	34	48	62
78.5N	15	15	15	15	15	15	15	15	15	16	17	18
77.5N	10	10	10	10	10	10	10	10	10	11	12	13
76.5N	5	5	5	5	6	6	7	7	8	8	9	9
75.5N	*	*	0	0	1	2	3	4	5	6	7	7
74.5N	5	5	5	5	5	5	5	5	5	5	5	5
73.5N	5	5	5	5	5	5	6	6	6	6	6	6
72.5N	5	5	5	5	5	5	6	6	6	6	6	6
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	*	*	*	*
69.5N	*	*	*	*	*	*	*	*	*	*	*	*
68.5N	*	*	*	*	*	*	*	*	*	*	*	*
67.5N	*	*	*	*	*	*	*	*	*	*	*	*
66.5N	*	*	*	*	*	*	*	*	*	*	*	*
65.5N	*	*	*	*	*	*	*	*	*	*	*	*
64.5N	*	*	*	*	*	*	*	*	*	*	*	*
63.5N	*	*	*	*	*	*	*	*	*	*	*	*
62.5N	*	*	*	*	*	*	*	*	*	*	*	*
61.5N	*	*	*	*	*	*	*	*	*	*	*	*
60.5N	*	*	*	*	*	*	*	*	*	*	*	*
59.5N	*	*	*	*	*	*	*	*	*	*	*	*
58.5N	10	10	10	10	10	10	10	10	10	10	10	10
57.5N	20	20	20	20	20	20	20	20	20	17	12	2
56.5N	27	30	30	30	30	27	22	20	20	17	12	2
55.5N	67	67	42	30	30	30	30	27	22	17	12	*
54.5N	84	107	102	97	92	77	52	37	32	27	22	*
53.5N	82	110	110	110	110	105	95	77	52	35	25	7
52.5N	72	102	107	107	102	100	100	85	55	35	25	2
51.5N	57	95	105	107	102	100	100	97	92	80	60	32
50.5N	0	40	80	102	107	110	110	107	102	102	107	102
49.5N	*	30	60	100	110	100	100	110	150	200	130	70
48.5N	7	80	100	120	150	150	200	220	300	240	100	200
47.5N	10	120	250	270	300	320	330	330	220	200	200	550
46.5N	200	300	320	330	330	310	200	230	200	300	630	500
45.5N	130	310	320	280	120	100	80	200	650	770	570	490

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	144.5	145.5	146.5	147.5	148.5	149.5	150.5	151.5	152.5	153.5	154.5	155.5	
44.5N	50	170	100	80	50	150	420	650	750	580	520	510	
43.5N	*	10	50	100	180	530	730	620	490	490	510	520	
42.5N	80	150	270	450	700	660	530	520	520	530	530	550	
41.5N	270	470	630	600	580	550	540	550	560	560	570	580	
40.5N	600	620	590	580	570	570	580	590	600	600	600	600	
39.5N	500	590	580	580	580	580	590	600	610	590	580	570	
38.5N	670	580	580	580	590	590	590	580	580	570	570	560	
37.5N	680	580	580	590	600	600	590	580	570	560	550	540	
36.5N	610	590	580	580	590	590	590	580	570	570	560	550	
35.5N	590	600	600	600	610	620	600	590	580	580	580	560	
34.5N	580	620	600	590	640	690	600	590	590	600	590	570	
33.5N	520	580	600	600	630	650	610	590	590	610	580	550	
32.5N	560	580	620	680	680	650	610	590	580	550	510	500	
31.5N	590	600	620	660	660	640	620	590	560	530	500	480	
30.5N	600	620	640	680	670	650	630	590	570	550	540	530	
29.5N	590	590	620	640	650	630	610	590	580	590	600	590	
28.5N	580	550	570	610	620	620	600	600	590	590	600	600	
27.5N	580	500	550	590	610	600	600	520	520	550	620	620	
26.5N	530	500	540	570	540	580	600	560	500	600	610	610	
25.5N	350	430	470	500	400	520	570	570	560	590	600	600	
24.5N	480	530	550	550	520	510	550	560	480	510	530	580	
23.5N	600	600	600	650	530	520	510	490	500	430	580	520	
22.5N	500	680	660	600	530	520	520	510	520	510	520	480	
21.5N	300	400	620	600	550	530	520	510	520	560	590	530	
20.5N	300	300	420	500	480	450	480	520	550	570	530	510	
19.5N	360	300	380	500	480	480	430	500	510	510	530	530	
18.5N	400	300	340	500	570	550	560	520	510	520	550	570	
17.5N	400	300	310	550	600	520	400	510	520	520	520	550	
16.5N	400	260	270	580	580	530	450	540	550	550	540	540	
15.5N	300	240	400	570	480	530	580	610	590	580	570	560	
14.5N	330	200	370	750	500	530	610	620	600	600	580	580	
13.5N	250	280	600	670	570	580	610	610	590	610	600	610	
12.5N	370	700	680	490	530	580	590	600	600	600	610	600	
11.5N	660	630	540	520	540	550	560	570	570	580	590	600	
10.5N	400	400	510	530	520	520	530	520	540	540	570	580	
9.5N	410	410	460	450	400	480	480	460	460	440	500	530	540
8.5N	360	350	370	330	200	380	400	370	350	460	490	510	
7.5N	310	340	280	230	240	260	410	310	330	450	430	420	
6.5N	400	410	380	390	380	330	410	410	370	360	440	430	
5.5N	430	420	430	450	440	400	410	420	410	320	330	400	
4.5N	430	490	520	500	480	450	400	410	410	400	340	320	
3.5N	450	480	510	550	500	460	420	410	410	400	330	280	
2.5N	440	460	480	510	480	420	420	420	410	400	320	290	
1.5N	430	450	470	490	520	350	410	420	400	360	290	280	
0.5N	370	380	420	460	500	400	410	420	410	380	290	240	

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	144.5	145.5	146.5	147.5	148.5	149.5	150.5	151.5	152.5	153.5	154.5	155.5
0.5S	300	280	260	370	400	410	410	420	420	380	320	230
1.5S	130	130	140	170	150	170	200	300	410	300	340	230
2.5S	170	140	100	150	210	150	80	130	160	270	320	230
3.5S	200	210	200	180	190	210	200	100	20	120	220	230
4.5S	*	20	210	200	180	190	180	50	130	220	210	220
5.5S	*	*	30	50	50	*	*	*	300	300	100	210
6.5S	*	*	*	*	250	250	270	450	480	520	230	20
7.5S	*	*	*	80	470	560	580	520	490	510	550	230
8.5S	30	80	*	*	100	170	170	200	320	380	300	380
9.5S	5	90	110	*	*	*	10	40	150	180	280	400
10.5S	50	130	200	200	120	50	*	50	170	300	300	330
11.5S	10	150	200	250	240	210	180	130	100	80	150	250
12.5S	120	230	300	330	340	340	340	330	330	320	310	310
13.5S	80	220	280	310	410	430	450	450	400	380	330	270
14.5S	*	80	170	220	320	380	470	480	470	460	480	410
15.5S	*	10	120	150	120	100	220	280	370	470	480	400
16.5S	*	*	100	110	90	60	70	80	200	300	370	300
17.5S	*	*	40	110	90	70	60	70	140	220	300	180
18.5S	*	*	20	70	100	110	110	130	180	250	280	270
19.5S	*	*	*	*	40	60	70	80	90	220	310	320
20.5S	*	*	*	*	*	20	40	60	80	140	300	310
21.5S	*	*	*	*	*	*	10	30	50	70	90	280
22.5S	*	*	*	*	*	*	*	*	30	60	80	180
23.5S	*	*	*	*	*	*	*	*	20	50	160	250
24.5S	*	*	*	*	*	*	*	*	*	20	180	410
25.5S	*	*	*	*	*	*	*	*	*	*	100	370
26.5S	*	*	*	*	*	*	*	*	*	*	50	330
27.5S	*	*	*	*	*	*	*	*	*	*	20	300
28.5S	*	*	*	*	*	*	*	*	*	*	*	280
29.5S	*	*	*	*	*	*	*	*	*	*	30	280
30.5S	*	*	*	*	*	*	*	*	*	*	150	450
31.5S	*	*	*	*	*	*	*	*	*	*	250	500
32.5S	*	*	*	*	*	*	*	*	*	70	450	550
33.5S	*	*	*	*	*	*	*	*	10	330	520	520
34.5S	*	*	*	*	*	*	*	*	200	480	520	520
35.5S	*	*	*	*	*	*	*	100	400	510	510	490
36.5S	*	*	*	*	*	*	*	250	480	510	490	480
37.5S	*	*	*	*	*	*	*	300	460	480	480	470
38.5S	5	*	*	*	5	150	260	400	420	450	470	470
39.5S	10	10	5	5	50	350	450	450	470	480	490	480
40.5S	5	5	5	5	20	360	420	450	480	500	500	490
41.5S	80	*	*	*	100	380	420	440	470	480	490	480
42.5S	180	*	*	*	150	380	410	430	440	450	460	470
43.5S	320	100	*	10	250	350	340	410	430	460	480	480
44.5S	400	300	200	200	300	320	350	420	450	480	480	480

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE													
	156.5	157.5	158.5	159.5	160.5	161.5	162.5	163.5	164.5	165.5	166.5	167.5	
89.5N	300	300	300	300	300	300	300	300	300	300	300	300	300
88.5N	250	250	250	250	250	250	250	250	250	250	250	250	250
87.5N	290	297	304	311	318	325	332	339	346	350	351	352	
86.5N	221	235	249	263	277	291	305	319	333	340	340	340	340
85.5N	161	175	189	203	217	231	245	259	273	282	287	292	
84.5N	213	222	231	240	249	258	267	276	285	290	291	292	
83.5N	247	252	257	262	267	272	277	282	287	288	284	280	
82.5N	243	245	247	249	251	253	255	257	259	257	252	247	
81.5N	248	247	246	245	244	243	242	241	240	238	234	230	
80.5N	186	190	194	198	202	206	210	214	218	220	220	220	
79.5N	76	90	112	134	156	178	200	204	208	212	216	220	
78.5N	19	20	32	44	56	68	80	80	80	80	80	80	
77.5N	14	15	16	17	18	19	20	22	24	26	28	30	
76.5N	10	10	12	14	15	17	19	19	19	20	20	20	
75.5N	8	9	11	12	14	15	17	17	17	18	18	18	
74.5N	5	5	7	8	10	11	13	13	13	13	13	13	
73.5N	6	6	7	8	8	9	10	10	10	10	10	10	
72.5N	6	6	7	7	8	8	9	9	9	9	9	9	
71.5N	4	5	5	6	6	7	7	7	7	7	7	7	
70.5N	*	*	*	*	*	0	2	5	5	5	5	5	
69.5N	*	*	*	*	*	*	*	*	*	*	*	*	
68.5N	*	*	*	*	*	*	*	*	*	*	*	*	
67.5N	*	*	*	*	*	*	*	*	*	*	*	*	
66.5N	*	*	*	*	*	*	*	*	*	*	*	*	
65.5N	*	*	*	*	*	*	*	*	*	*	*	*	
64.5N	*	*	*	*	*	*	*	*	*	*	*	*	
63.5N	*	*	*	*	*	*	*	*	*	*	*	*	
62.5N	*	*	*	*	*	*	*	*	*	*	*	*	
61.5N	*	*	0	*	*	*	*	*	*	*	*	*	
60.5N	0	8	9	8	7	*	*	*	*	*	*	*	
59.5N	*	*	*	*	*	*	*	*	*	5	12	17	20
58.5N	10	5	*	*	*	*	*	*	0	19	46	80	120
57.5N	*	*	*	*	*	*	*	*	11	59	106	167	242
56.5N	*	*	*	*	*	*	*	*	2	70	170	242	287
55.5N	*	*	*	*	*	42	247	337	312	270	210	210	307
54.5N	*	*	*	*	62	175	325	425	475	432	297	227	
53.5N	*	*	*	42	247	400	500	517	452	445	495	495	
52.5N	*	7	122	250	390	460	460	445	415	400	400	420	
51.5N	*	55	205	350	490	540	500	460	420	395	385	385	
50.5N	87	180	380	505	555	555	505	475	465	442	407	387	
49.5N	170	450	670	630	530	510	480	480	510	530	570	500	
48.5N	520	670	580	550	500	480	490	520	550	560	580	610	
47.5N	620	500	520	490	490	500	530	580	600	580	590	610	
46.5N	490	490	480	490	500	510	520	550	500	350	550	590	
45.5N	500	480	490	500	510	520	530	540	540	550	560	580	

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

156.5 157.5 158.5 159.5 160.5 161.5 162.5 163.5 164.5 165.5 166.5 167.5

44.5N	510	500	520	530	530	530	530	530	530	530	530	540
43.5N	530	530	540	540	540	540	530	520	520	510	500	500
42.5N	560	560	560	560	550	540	530	520	510	490	500	510
41.5N	580	590	580	570	560	550	540	530	520	510	510	510
40.5N	600	590	580	560	550	540	520	510	510	510	520	520
39.5N	570	560	550	540	530	510	500	490	480	510	510	520
38.5N	550	540	530	520	500	480	460	460	480	510	520	520
37.5N	530	530	510	500	480	430	410	440	470	500	520	520
36.5N	540	520	500	470	450	470	490	520	530	520	520	520
35.5N	540	520	480	430	430	480	530	550	550	550	550	550
34.5N	540	510	430	380	430	520	550	570	580	580	570	570
33.5N	520	450	370	400	470	530	580	600	610	610	610	590
32.5N	480	400	380	420	490	530	580	610	620	620	620	600
31.5N	460	460	450	450	490	530	560	590	610	620	610	600
30.5N	530	530	520	500	480	510	530	560	580	590	580	570
29.5N	580	570	560	550	550	540	550	570	580	580	580	570
28.5N	610	590	600	600	580	570	570	570	570	570	570	570
27.5N	630	660	670	620	580	580	570	570	570	570	570	570
26.5N	600	600	580	530	560	570	570	560	560	560	560	570
25.5N	590	590	580	600	580	570	570	570	570	570	570	570
24.5N	560	550	600	610	580	570	570	570	560	560	560	570
23.5N	520	490	510	500	570	570	560	560	560	560	550	560
22.5N	600	530	520	570	540	550	530	530	550	550	560	550
21.5N	500	510	500	480	500	510	500	510	530	530	540	540
20.5N	450	490	510	520	420	510	500	500	510	520	520	530
19.5N	520	490	510	510	510	500	500	510	510	510	440	420
18.5N	590	580	550	520	520	520	510	520	410	500	500	500
17.5N	570	570	540	520	510	500	510	510	510	510	520	500
16.5N	560	560	540	520	490	480	500	490	510	510	510	520
15.5N	560	570	550	530	500	490	500	500	510	490	510	510
14.5N	470	590	560	540	510	470	500	480	500	490	490	440
13.5N	580	600	580	550	520	490	480	490	460	500	500	490
12.5N	500	600	590	530	480	460	480	500	380	440	380	430
11.5N	500	520	580	530	450	400	420	500	500	450	290	360
10.5N	530	500	540	520	380	410	320	460	490	450	420	420
9.5N	520	500	510	510	500	490	450	510	510	400	410	300
8.5N	510	470	480	500	510	500	490	480	510	490	490	460
7.5N	420	400	390	450	480	470	490	500	510	520	510	480
6.5N	710	350	340	420	430	450	490	490	500	510	510	490
5.5N	380	340	380	390	400	420	430	460	480	490	500	490
4.5N	350	370	300	340	360	400	430	440	460	480	480	460
3.5N	300	290	290	320	370	400	420	430	440	460	460	450
2.5N	280	300	310	290	330	380	390	410	420	440	450	440
1.5N	270	280	280	270	300	340	380	410	420	430	440	430
0.5N	230	220	230	250	290	330	390	410	420	420	420	420

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

156.5 157.5 158.5 159.5 160.5 161.5 162.5 163.5 164.5 165.5 166.5 167.5

0.5S	190	180	220	250	280	350	400	410	410	420	410	400
1.5S	180	170	190	220	290	350	410	410	410	420	420	400
2.5S	180	170	170	220	280	350	370	370	400	410	410	400
3.5S	180	170	160	180	230	270	280	330	380	390	400	390
4.5S	180	170	160	150	180	220	270	320	320	350	350	360
5.5S	210	190	180	130	150	200	290	330	360	380	370	380
6.5S	120	210	220	210	190	220	320	340	390	380	390	400
7.5S	100	80	100	200	210	200	240	330	360	400	400	410
8.5S	250	120	210	180	80	220	250	270	320	400	430	440
9.5S	390	410	270	220	50	120	350	400	400	350	300	300
10.5S	320	320	330	350	380	250	180	320	340	300	120	200
11.5S	300	220	310	230	300	470	550	550	500	630	200	220
12.5S	240	250	280	250	180	350	460	470	470	600	300	170
13.5S	220	260	300	240	220	320	360	340	230	250	350	150
14.5S	400	380	300	280	300	330	370	380	360	300	320	140
15.5S	320	310	330	330	350	430	460	420	400	420	200	40
16.5S	250	300	320	400	440	490	470	420	420	420	380	100
17.5S	240	320	260	410	420	410	390	340	400	460	490	450
18.5S	310	310	200	230	310	350	230	200	280	400	440	500
19.5S	270	210	120	90	200	320	310	130	130	200	320	470
20.5S	230	120	80	70	60	100	200	250	70	80	140	300
21.5S	240	150	120	90	100	110	150	270	200	*	70	110
22.5S	250	230	220	140	200	170	240	280	310	250	100	90
23.5S	280	270	230	130	230	230	250	300	340	340	230	100
24.5S	400	310	230	100	160	150	180	210	280	350	300	140
25.5S	470	370	280	120	170	160	140	160	240	350	310	190
26.5S	500	390	330	200	200	140	130	200	290	360	310	160
27.5S	490	380	350	230	220	160	190	290	350	370	310	200
28.5S	480	400	350	310	200	150	170	220	340	380	330	260
29.5S	480	350	200	170	170	140	160	200	330	380	330	220
30.5S	400	280	300	170	160	140	160	190	320	360	310	200
31.5S	390	320	400	200	170	130	150	180	300	330	200	150
32.5S	410	300	420	280	170	110	110	190	320	300	120	90
33.5S	500	380	390	280	190	140	90	100	250	310	180	100
34.5S	500	460	500	400	270	230	150	130	180	230	280	200
35.5S	470	480	510	470	350	300	250	220	180	190	220	250
36.5S	480	490	510	510	470	380	310	220	180	170	180	200
37.5S	480	500	510	520	510	470	350	210	170	170	180	120
38.5S	490	510	520	530	520	490	430	310	200	220	220	90
39.5S	490	510	520	510	500	460	420	300	280	330	270	110
40.5S	490	510	510	500	480	460	430	410	410	390	210	90
41.5S	490	510	510	500	500	480	460	440	410	300	170	160
42.5S	480	480	490	510	510	480	450	420	320	210	300	200
43.5S	480	480	490	510	510	470	420	340	280	300	380	130
44.5S	470	480	500	510	500	470	450	430	410	410	220	20

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE
156.5 157.5 158.5 159.5 160.5 161.5 162.5 163.5 164.5 165.5 166.5 167.5

	OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE												
	168.5	169.5	170.5	171.5	172.5	173.5	174.5	175.5	176.5	177.5	178.5	179.5	
89.5N	300	300	300	300	300	300	300	300	300	300	300	300	
88.5N	250	250	250	250	250	250	250	249	248	246	245	243	
87.5N	353	354	355	356	357	358	359	360	359	359	358	358	
86.5N	340	340	340	340	340	340	340	340	340	340	340	340	
85.5N	297	302	307	312	317	322	327	327	320	313	306	299	
84.5N	293	294	295	296	297	298	299	297	291	286	280	274	
83.5N	276	272	268	264	260	256	252	250	250	250	250	250	
82.5N	242	237	232	227	222	217	212	211	213	215	217	219	
81.5N	226	222	218	214	210	206	202	201	205	208	211	214	
80.5N	220	220	220	220	220	220	220	221	225	228	231	234	
79.5N	220	220	220	220	220	216	212	208	204	200	200	200	
78.5N	100	120	140	160	180	182	184	186	188	190	187	183	
77.5N	38	46	54	62	70	82	94	106	118	130	133	137	
76.5N	22	24	26	28	30	40	50	60	70	80	84	89	
75.5N	18	19	19	20	20	22	24	26	28	30	34	39	
74.5N	14	15	15	16	17	17	17	18	18	18	18	18	
73.5N	11	11	12	12	13	12	12	11	11	10	10	10	
72.5N	9	9	10	10	10	10	9	9	8	8	8	7	
71.5N	7	7	7	7	7	7	6	6	5	5	5	6	
70.5N	5	5	5	5	5	5	5	5	5	5	5	5	
69.5N	*	*	*	*	*	*	*	*	*	*	*	*	
68.5N	*	*	*	*	*	*	*	*	*	*	*	*	
67.5N	*	*	*	*	*	*	*	*	*	*	*	*	
66.5N	*	*	*	*	*	*	*	*	*	*	*	*	
65.5N	*	*	*	*	*	*	*	*	*	*	*	*	
64.5N	*	*	*	*	*	*	*	*	*	*	0	3	
63.5N	*	*	*	*	*	*	*	*	*	*	*	*	
62.5N	*	*	*	*	*	*	*	*	*	*	*	*	
61.5N	*	*	*	*	42	80	80	65	35	17	12	10	
60.5N	*	10	70	140	220	267	282	287	282	265	235	200	
59.5N	20	40	80	152	257	310	310	310	310	310	310	305	
58.5N	147	142	127	165	255	305	315	320	320	320	320	315	
57.5N	287	250	170	175	265	312	317	320	320	320	320	318	
56.5N	302	292	277	280	300	310	310	310	310	312	317	320	
55.5N	270	300	300	302	307	307	302	297	292	292	297	303	
54.5N	222	240	280	302	307	307	302	290	270	240	200	200	
53.5N	452	392	317	272	257	262	287	302	307	302	287	283	
52.5N	460	490	510	452	317	220	160	137	152	165	175	192	
51.5N	395	425	475	520	560	555	505	447	382	317	252	212	
50.5N	382	390	410	435	465	492	517	547	582	605	615	605	
49.5N	410	440	500	530	510	500	520	540	560	580	590	620	
48.5N	480	530	600	590	580	570	570	560	560	570	580	580	
47.5N	600	590	610	600	580	580	570	570	570	570	580	580	
46.5N	600	580	590	600	590	580	580	580	570	570	570	570	
45.5N	600	530	480	590	600	590	590	580	580	580	580	580	

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	168.5	169.5	170.5	171.5	172.5	173.5	174.5	175.5	176.5	177.5	178.5	179.5
44.5N	560	530	280	540	570	580	590	600	590	590	590	590
43.5N	520	510	470	520	530	560	580	610	610	590	610	590
42.5N	520	510	500	520	530	540	570	590	610	600	600	600
41.5N	520	510	500	540	530	490	520	570	600	590	590	590
40.5N	520	510	460	580	530	470	490	530	570	580	570	570
39.5N	510	510	480	590	560	500	480	500	520	550	550	550
38.5N	510	510	500	520	600	550	490	460	480	500	530	540
37.5N	480	500	500	510	590	560	530	470	400	420	400	500
36.5N	510	510	500	410	510	550	530	480	430	380	360	390
35.5N	540	520	510	430	460	490	500	470	430	370	380	420
34.5N	550	530	510	420	400	390	400	430	420	360	350	430
33.5N	570	550	530	480	400	410	370	400	450	400	350	440
32.5N	570	550	530	510	420	400	430	480	510	510	500	510
31.5N	580	570	550	520	510	500	490	510	520	520	520	520
30.5N	570	570	560	550	530	530	530	530	530	530	530	520
29.5N	570	570	570	560	560	550	550	560	540	530	520	520
28.5N	560	570	570	570	580	580	580	580	550	500	500	520
27.5N	570	580	580	590	600	610	610	600	550	500	500	510
26.5N	570	580	580	590	610	620	620	620	590	540	520	520
25.5N	570	580	580	590	600	600	600	610	610	580	540	530
24.5N	570	570	580	570	570	570	570	570	570	570	560	550
23.5N	550	550	560	550	540	530	530	530	530	540	540	530
22.5N	550	550	550	540	530	520	400	370	510	520	520	520
21.5N	540	540	540	520	520	510	330	340	350	380	340	500
20.5N	530	530	520	500	500	460	400	400	400	430	480	490
19.5N	510	510	480	370	480	420	430	420	400	450	490	480
18.5N	500	510	430	300	350	360	380	400	400	400	380	400
17.5N	510	510	500	490	420	460	440	400	420	440	440	450
16.5N	520	510	420	480	510	510	480	400	410	450	490	510
15.5N	510	500	490	510	490	510	500	450	400	450	500	510
14.5N	490	480	510	510	510	510	480	440	430	490	510	500
13.5N	490	500	500	490	500	500	510	420	490	510	510	520
12.5N	420	440	440	500	510	490	510	500	520	520	530	530
11.5N	420	400	450	480	500	490	510	510	520	530	540	550
10.5N	410	380	420	460	490	500	510	520	530	540	550	560
9.5N	410	370	420	440	460	490	510	520	530	540	550	560
8.5N	400	420	420	410	450	480	510	520	530	540	550	550
7.5N	350	400	410	410	450	490	510	520	520	530	540	550
6.5N	430	410	420	380	430	450	500	510	520	520	530	540
5.5N	410	400	410	400	400	460	500	490	500	510	520	510
4.5N	410	420	430	440	450	480	500	480	480	510	520	510
3.5N	420	420	420	430	420	430	490	460	440	510	520	510
2.5N	430	430	420	420	400	420	460	480	500	520	520	510
1.5N	420	420	410	410	400	410	450	480	450	460	520	520
0.5N	420	410	410	410	400	410	430	470	470	480	490	520

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	168.5	169.5	170.5	171.5	172.5	173.5	174.5	175.5	176.5	177.5	178.5	179.5
0.5S	410	400	410	410	410	400	450	480	490	490	480	520
1.5S	410	400	410	410	410	400	430	430	500	510	530	
2.5S	400	400	400	390	410	420	430	350	400	460	510	520
3.5S	370	360	360	380	410	460	460	390	380	450	500	510
4.5S	340	340	360	380	420	470	500	440	400	420	480	500
5.5S	380	380	390	410	470	500	510	450	330	400	450	470
6.5S	400	410	420	450	500	510	510	490	310	400	480	500
7.5S	430	460	490	500	510	520	510	500	450	400	320	490
8.5S	420	450	490	510	510	510	500	480	480	450	340	350
9.5S	460	490	440	500	510	510	500	480	450	440	420	350
10.5S	360	380	450	450	400	430	430	410	380	380	400	230
11.5S	280	350	320	380	390	300	320	260	260	270	270	270
12.5S	300	380	320	240	260	280	270	280	300	300	310	270
13.5S	300	380	370	360	310	330	320	300	280	270	280	250
14.5S	280	380	370	360	350	320	310	310	300	290	290	270
15.5S	140	370	340	320	310	310	320	300	280	280	320	230
16.5S	180	300	310	290	300	280	270	290	300	150	30	10
17.5S	90	210	280	310	280	270	250	250	260	40	10	150
18.5S	200	140	240	320	310	280	290	310	300	190	190	170
19.5S	350	120	220	290	300	280	290	310	330	270	340	300
20.5S	530	270	190	290	360	290	290	290	290	360	370	320
21.5S	300	450	250	300	310	330	260	290	350	370	370	350
22.5S	120	350	430	300	350	380	370	400	410	410	380	340
23.5S	150	250	420	480	490	420	420	430	440	440	380	310
24.5S	190	250	370	410	420	400	440	440	440	430	380	260
25.5S	210	270	310	410	400	440	460	460	450	430	420	260
26.5S	280	280	400	350	380	420	450	450	450	430	410	240
27.5S	300	300	310	310	270	370	410	460	440	410	380	340
28.5S	300	270	270	290	270	320	400	400	420	380	350	320
29.5S	210	260	290	240	180	260	390	430	420	410	370	290
30.5S	340	310	310	280	190	250	400	420	420	410	360	210
31.5S	300	410	400	300	200	260	380	420	420	410	330	230
32.5S	200	400	400	300	200	250	380	400	390	370	250	300
33.5S	190	270	300	270	200	270	310	320	300	320	270	320
34.5S	190	210	170	100	30	80	130	180	250	230	300	310
35.5S	190	180	190	190	80	*	*	100	200	250	280	290
36.5S	210	200	200	180	100	40	*	50	200	200	230	270
37.5S	120	170	210	150	100	60	30	*	70	130	150	270
38.5S	90	90	100	110	110	50	30	*	*	*	170	350
39.5S	90	80	80	80	70	30	*	*	*	100	250	330
40.5S	100	80	70	50	20	10	10	*	*	250	300	280
41.5S	90	70	50	*	*	*	20	130	200	310	270	250
42.5S	80	60	30	*	*	*	310	130	110	100	130	150
43.5S	50	*	*	*	*	80	50	50	60	70	70	60
44.5S	*	*	*	30	80	90	80	90	120	150	170	170

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

168.5 169.5 170.5 171.5 172.5 173.5 174.5 175.5 176.5 177.5 178.5 179.5

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

180.5 181.5 182.5 183.5 184.5 185.5 186.5 187.5 188.5 189.5 190.5 191.5

89.5N	300	300	300	300	300	300	300	300	300	300	300	300
88.5N	242	240	239	237	236	234	233	232	231	230	228	227
87.5N	357	357	356	356	355	355	354	353	353	352	351	350
86.5N	340	340	340	340	340	340	340	340	340	340	339	339
85.5N	293	286	279	272	265	259	253	247	241	235	229	223
84.5N	269	263	257	252	246	240	235	229	224	219	213	208
83.5N	250	250	250	250	250	250	250	250	251	251	251	251
82.5N	221	224	226	228	230	232	235	238	240	244	248	252
81.5N	217	220	223	226	229	233	237	240	244	248	252	256
80.5N	237	240	243	246	249	253	256	259	263	266	270	273
79.5N	200	200	200	202	204	206	208	210	220	229	239	248
78.5N	180	177	173	172	171	170	169	168	171	174	178	181
77.5N	140	143	146	152	157	162	167	172	177	182	188	193
76.5N	93	98	102	109	116	124	131	138	149	160	170	181
75.5N	43	48	52	57	62	66	71	76	78	80	82	84
74.5N	19	19	19	20	20	21	21	22	23	24	25	26
73.5N	10	10	10	10	10	11	11	11	12	12	13	13
72.5N	7	7	6	6	6	6	6	6	7	8	8	9
71.5N	6	6	6	7	7	7	8	8	8	9	9	10
70.5N	5	5	5	5	5	5	5	6	6	7	7	7
69.5N	*	1	4	5	5	5	5	5	5	5	5	5
68.5N	*	*	*	0	3	5	5	5	5	5	5	5
67.5N	*	*	*	*	*	*	*	1	4	5	5	5
66.5N	*	*	*	*	*	*	*	*	*	*	*	0
65.5N	*	*	*	*	*	*	*	*	*	*	*	0
64.5N	4	5	6	7	7	5	*	*	*	0	3	4
63.5N	*	0	4	8	8	8	7	5	0	*	*	*
62.5N	0	3	6	8	8	8	7	6	5	4	4	4
61.5N	10	10	10	10	9	8	7	6	6	5	5	5
60.5N	160	118	75	42	18	6	5	5	5	5	5	5
59.5N	295	262	207	152	97	61	44	28	15	8	6	5
58.5N	305	290	270	251	234	205	165	119	66	32	16	7
57.5N	315	313	311	306	299	266	209	146	79	36	18	8
56.5N	320	320	320	317	312	297	272	244	211	180	150	115
55.5N	310	316	322	324	321	317	312	309	306	287	252	204
54.5N	240	272	297	311	314	314	311	300	280	259	236	211
53.5N	290	296	302	304	301	287	262	232	197	166	139	127
52.5N	215	222	214	191	154	125	105	104	121	159	216	274
51.5N	195	183	174	184	211	247	292	345	405	470	540	582
50.5N	575	551	534	536	559	590	630	647	642	627	602	581
49.5N	640	650	630	620	610	600	590	580	580	570	570	560
48.5N	590	590	580	580	580	580	580	580	580	580	570	560
47.5N	580	580	580	570	570	570	580	580	580	580	580	560
46.5N	570	570	570	570	570	580	580	580	580	580	580	560
45.5N	570	570	580	580	580	590	580	590	600	590	580	570

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	180.5	181.5	182.5	183.5	184.5	185.5	186.5	187.5	188.5	189.5	190.5	191.5
44.5N	580	580	580	590	590	600	600	680	620	590	580	570
43.5N	590	580	580	590	610	660	680	620	590	590	580	570
42.5N	590	580	580	590	590	590	580	580	580	580	580	570
41.5N	580	580	580	580	580	580	580	570	570	570	570	560
40.5N	570	570	570	570	570	570	570	560	560	560	560	550
39.5N	550	560	560	560	560	560	550	550	550	550	550	550
38.5N	550	550	550	550	550	540	540	540	540	540	540	540
37.5N	520	520	530	530	530	540	530	530	530	530	530	530
36.5N	480	510	510	520	520	520	520	520	520	520	520	520
35.5N	450	470	490	500	510	520	510	510	520	510	510	520
34.5N	450	470	480	500	510	520	510	510	520	520	530	550
33.5N	480	490	500	510	520	520	520	520	530	540	560	580
32.5N	510	510	510	520	520	510	520	520	560	580	590	610
31.5N	520	520	520	520	520	480	530	560	580	610	610	610
30.5N	520	520	520	520	520	530	550	570	570	580	590	580
29.5N	500	480	500	500	520	520	530	550	550	540	540	540
28.5N	510	350	360	340	450	520	520	520	510	510	510	500
27.5N	520	500	440	380	380	500	500	480	470	470	460	470
26.5N	510	510	440	450	380	320	380	440	420	410	420	430
25.5N	520	510	350	490	480	420	380	280	270	270	300	320
24.5N	540	520	510	510	510	490	340	420	430	420	430	400
23.5N	530	530	520	520	510	500	480	470	470	460	480	500
22.5N	520	520	520	530	530	520	520	510	510	500	480	470
21.5N	510	510	510	520	530	520	520	520	510	500	430	420
20.5N	500	500	510	510	510	510	470	400	400	390	480	500
19.5N	450	480	510	500	500	450	320	390	300	360	360	280
18.5N	400	400	420	380	340	300	380	480	430	430	450	510
17.5N	510	480	380	390	350	440	500	510	510	510	500	490
16.5N	500	500	490	510	500	550	570	550	510	480	480	500
15.5N	510	500	490	500	560	560	570	520	480	490	490	500
14.5N	510	520	500	490	500	520	540	530	520	520	520	500
13.5N	520	520	510	490	480	490	520	520	520	520	520	510
12.5N	530	530	520	510	500	480	490	480	500	510	520	510
11.5N	540	540	530	540	530	510	500	500	510	460	380	480
10.5N	560	570	570	570	560	540	520	520	510	500	460	480
9.5N	560	570	580	590	580	570	550	530	520	510	500	510
8.5N	560	560	570	540	600	590	580	560	530	510	510	500
7.5N	540	530	480	450	540	580	600	580	550	510	500	510
6.5N	520	510	410	500	530	560	600	580	560	510	500	500
5.5N	480	480	500	500	530	560	580	590	600	590	560	500
4.5N	510	510	510	500	480	510	570	580	590	600	600	540
3.5N	510	510	510	500	460	520	590	590	580	580	580	560
2.5N	510	520	520	510	510	520	610	610	590	580	570	560
1.5N	520	540	540	520	530	570	620	680	600	580	570	560
0.5N	540	550	560	500	530	550	570	640	590	580	560	550

	OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE											
	180.5	181.5	182.5	183.5	184.5	185.5	186.5	187.5	188.5	189.5	190.5	191.5
0.5S	530	550	580	550	530	550	540	520	550	570	550	550
1.5S	550	570	580	580	550	490	540	530	550	570	600	560
2.5S	550	570	600	580	550	520	520	520	480	520	600	560
3.5S	550	570	590	580	590	480	480	500	470	470	520	560
4.5S	530	510	550	570	570	490	530	500	500	520	550	570
5.5S	500	500	520	550	540	490	520	550	530	500	540	590
6.5S	480	500	530	540	540	510	450	570	530	500	520	570
7.5S	500	510	530	530	530	510	500	510	500	500	500	520
8.5S	500	510	510	510	510	510	500	450	470	480	490	480
9.5S	420	480	490	500	500	490	480	410	390	450	450	440
10.5S	280	400	420	400	380	430	450	460	430	470	480	500
11.5S	200	230	300	360	420	400	370	460	480	490	510	520
12.5S	180	250	250	350	380	400	420	440	450	480	500	530
13.5S	310	330	300	310	400	450	380	150	250	380	450	520
14.5S	260	210	190	220	300	400	500	470	320	290	410	480
15.5S	210	200	200	200	190	210	200	550	510	460	510	520
16.5S	180	180	210	210	210	200	180	600	570	510	520	520
17.5S	100	100	210	230	220	180	220	630	540	530	530	540
18.5S	100	80	190	220	200	140	350	650	540	530	510	510
19.5S	280	110	210	230	190	190	620	630	540	530	510	510
20.5S	200	150	220	220	150	300	700	590	540	530	520	310
21.5S	190	180	200	200	150	400	730	580	540	540	510	510
22.5S	160	180	220	200	250	650	650	570	550	550	550	550
23.5S	160	150	170	150	450	750	590	570	560	560	560	550
24.5S	170	160	150	130	600	600	560	560	560	550	550	550
25.5S	150	210	160	150	600	570	560	550	550	550	550	550
26.5S	140	210	160	300	600	570	550	550	550	550	540	540
27.5S	180	260	230	450	700	530	520	540	540	540	540	530
28.5S	190	210	280	550	700	560	550	550	540	540	540	530
29.5S	190	180	300	600	660	560	540	550	550	540	530	510
30.5S	240	180	500	730	640	590	550	520	560	560	560	550
31.5S	250	300	700	650	600	580	560	510	510	570	600	590
32.5S	200	450	730	610	570	570	590	580	510	570	570	600
33.5S	270	570	700	590	570	580	590	570	570	570	570	570
34.5S	400	650	600	570	570	580	580	560	560	560	560	560
35.5S	460	580	600	560	560	560	560	560	560	560	550	550
36.5S	450	510	550	550	550	550	550	550	550	550	550	550
37.5S	400	380	460	530	550	550	550	550	520	520	530	550
38.5S	390	380	440	500	530	530	530	520	490	460	480	480
39.5S	340	370	420	460	510	510	510	510	500	480	480	490
40.5S	310	330	340	380	380	380	390	450	450	460	460	480
41.5S	270	270	280	280	300	350	350	370	380	400	400	420
42.5S	150	160	180	200	230	230	230	220	230	250	280	330
43.5S	60	50	50	50	70	100	160	210	300	320	400	470
44.5S	190	180	150	100	120	170	300	450	510	510	520	530

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE
180.5 181.5 182.5 183.5 184.5 185.5 186.5 187.5 188.5 189.5 190.5 191.5

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	192.5	193.5	194.5	195.5	196.5	197.5	198.5	199.5	200.5	201.5	202.5	203.5
44.5N	560	550	550	550	540	540	540	540	540	530	530	530
43.5N	560	550	550	550	550	540	540	540	540	530	530	520
42.5N	560	550	550	550	550	540	530	530	530	530	530	520
41.5N	550	550	550	550	540	540	530	530	530	530	530	520
40.5N	550	550	540	540	540	530	530	530	530	520	520	520
39.5N	540	540	530	530	520	520	520	520	520	520	510	510
38.5N	540	540	530	520	520	510	510	510	510	510	530	530
37.5N	530	530	530	520	510	500	500	480	510	530	540	550
36.5N	530	540	550	540	530	520	510	320	520	550	580	580
35.5N	550	570	580	570	560	560	550	570	590	610	600	590
34.5N	570	610	610	610	610	610	620	620	610	600	590	580
33.5N	610	610	600	590	600	600	620	620	610	600	580	580
32.5N	610	590	580	580	590	610	610	600	590	580	580	580
31.5N	590	580	580	570	580	580	580	590	590	590	580	580
30.5N	560	560	560	560	570	570	580	580	580	580	580	580
29.5N	530	540	540	550	550	550	550	560	570	570	570	580
28.5N	510	520	530	530	530	530	540	540	550	550	550	560
27.5N	480	470	500	510	510	510	520	530	520	520	520	530
26.5N	490	500	490	480	490	510	510	510	510	500	500	510
25.5N	300	500	500	500	490	490	480	480	490	490	490	490
24.5N	280	220	440	490	500	490	480	460	470	470	470	480
23.5N	500	380	300	280	300	280	320	420	440	460	470	470
22.5N	420	330	440	440	430	400	400	380	280	420	430	490
21.5N	450	510	500	490	480	450	430	350	320	220	180	270
20.5N	510	520	510	510	510	480	470	460	450	430	300	200
19.5N	510	520	520	520	520	520	510	500	480	460	430	410
18.5N	520	520	520	530	530	530	520	520	490	470	450	460
17.5N	500	510	520	530	540	540	530	530	520	500	480	480
16.5N	490	510	530	540	550	540	540	540	540	530	510	510
15.5N	500	490	520	530	540	560	560	560	550	530	520	510
14.5N	500	490	500	540	560	560	570	560	540	540	530	520
13.5N	510	510	520	540	550	560	550	560	540	540	530	520
12.5N	510	510	510	520	530	540	560	560	540	540	530	520
11.5N	500	510	480	510	520	520	530	550	540	530	520	520
10.5N	470	500	420	430	480	440	510	530	530	520	510	500
9.5N	510	510	500	480	400	410	500	490	510	490	500	510
8.5N	510	520	510	440	400	400	420	430	480	480	500	510
7.5N	500	500	510	500	440	410	370	410	430	450	480	500
6.5N	510	500	490	480	440	320	270	340	420	400	380	430
5.5N	510	510	500	480	460	430	340	310	410	410	420	400
4.5N	530	520	520	500	500	460	410	320	410	420	430	430
3.5N	550	530	530	540	550	520	490	440	300	300	420	430
2.5N	550	540	530	540	550	530	520	490	420	300	380	420
1.5N	550	550	550	550	550	530	520	510	470	420	280	400
0.5N	550	550	540	550	550	540	530	520	500	480	460	400

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	192.5	193.5	194.5	195.5	196.5	197.5	198.5	199.5	200.5	201.5	202.5	203.5
0.5S	550	550	550	550	550	540	530	510	500	510	480	430
1.5S	560	560	550	550	550	540	530	520	510	500	470	500
2.5S	560	550	550	550	540	530	530	520	520	510	510	510
3.5S	560	550	540	540	530	520	520	520	510	510	510	510
4.5S	560	550	540	530	520	510	510	510	490	500	510	510
5.5S	550	530	530	530	510	450	480	500	480	500	510	500
6.5S	500	500	500	500	450	400	500	500	500	510	520	510
7.5S	420	450	400	430	390	400	450	470	510	510	510	520
8.5S	440	380	350	350	280	350	420	440	500	420	490	520
9.5S	390	380	380	360	300	380	340	380	510	500	530	550
10.5S	430	380	340	390	300	280	370	440	490	510	550	550
11.5S	530	500	420	350	300	260	300	410	470	500	530	530
12.5S	550	550	550	490	350	260	300	420	480	510	520	510
13.5S	550	550	550	540	400	350	350	430	460	480	490	500
14.5S	500	530	550	470	470	430	350	450	490	480	480	460
15.5S	530	550	550	480	510	470	480	480	480	450	430	420
16.5S	550	520	550	550	540	500	500	510	490	490	480	480
17.5S	550	550	550	530	480	480	480	450	480	480	480	460
18.5S	530	540	540	520	480	480	430	400	460	470	480	480
19.5S	510	520	530	510	500	480	440	420	460	440	450	470
20.5S	510	520	530	500	500	480	430	430	480	480	460	460
21.5S	530	540	540	500	490	480	460	450	460	460	450	460
22.5S	550	550	550	530	510	500	480	460	480	480	480	480
23.5S	550	550	550	550	540	520	500	480	480	480	480	480
24.5S	550	550	540	540	550	530	510	500	480	480	480	480
25.5S	550	550	550	530	540	530	510	500	490	490	490	480
26.5S	550	550	540	530	520	520	510	500	490	490	490	500
27.5S	540	540	530	520	520	520	520	500	490	490	480	490
28.5S	530	530	530	520	520	520	520	510	500	490	490	490
29.5S	530	540	530	530	530	530	520	520	510	490	490	490
30.5S	540	540	540	540	540	540	530	530	510	500	500	500
31.5S	570	550	550	550	540	540	540	540	500	500	500	500
32.5S	580	570	570	570	560	560	550	550	550	500	500	500
33.5S	570	570	570	570	570	560	560	550	550	510	510	510
34.5S	570	560	560	560	560	560	560	550	550	520	520	520
35.5S	560	550	550	550	550	550	550	550	550	510	510	520
36.5S	550	550	550	550	550	550	550	550	520	510	510	530
37.5S	550	550	550	550	550	550	530	530	500	490	490	520
38.5S	480	520	540	550	550	550	520	500	440	480	480	480
39.5S	440	480	510	520	520	530	510	500	460	460	460	460
40.5S	500	510	510	510	520	520	510	500	480	470	480	470
41.5S	460	510	510	350	480	500	500	520	490	480	480	490
42.5S	480	530	530	510	490	460	510	520	490	480	490	490
43.5S	530	540	540	540	530	520	510	510	480	480	500	490
44.5S	550	550	550	550	540	540	540	510	530	480	480	480

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUDE

	204.5	205.5	206.5	207.5	208.5	209.5	210.5	211.5	212.5	213.5	214.5	215.5
89.5N	300	300	299	299	298	298	297	297	296	296	295	293
88.5N	255	260	266	273	279	285	292	298	304	310	317	320
87.5N	324	320	313	307	300	294	287	281	274	268	261	257
86.5N	328	326	323	320	317	314	311	308	305	302	299	297
85.5N	223	226	229	232	235	239	242	245	249	252	255	255
84.5N	180	180	180	180	180	180	180	180	180	180	180	180
83.5N	267	267	265	264	262	260	259	257	255	254	252	252
82.5N	344	347	345	343	342	340	338	336	334	333	331	330
81.5N	349	354	357	360	363	366	368	371	374	377	380	381
80.5N	333	339	344	349	355	360	366	371	376	382	387	390
79.5N	286	306	327	348	354	361	367	374	380	380	381	381
78.5N	147	173	198	224	246	267	289	310	332	342	351	361
77.5N	123	133	142	152	182	211	241	270	300	316	332	341
76.5N	142	156	171	186	210	235	259	284	308	322	337	351
75.5N	240	260	280	300	316	332	348	364	380	380	380	380
74.5N	198	224	250	276	297	318	338	359	380	380	380	380
73.5N	134	172	209	246	268	290	312	334	356	356	355	355
72.5N	42	54	65	76	110	144	178	212	246	261	276	290
71.5N	9	8	8	8	17	26	34	43	52	78	105	131
70.5N	*	*	*	*	*	*	*	*	*	*	0	3
69.5N	*	*	*	*	*	*	*	*	*	*	*	*
68.5N	*	*	*	*	*	*	*	*	*	*	*	*
67.5N	*	*	*	*	*	*	*	*	*	*	*	*
66.5N	*	*	*	*	*	*	*	*	*	*	*	*
65.5N	*	*	*	*	*	*	*	*	*	*	*	*
64.5N	*	*	*	*	*	*	*	*	*	*	*	*
63.5N	*	*	*	*	*	*	*	*	*	*	*	*
62.5N	*	*	*	*	*	*	*	*	*	*	*	*
61.5N	*	*	*	*	*	*	*	*	*	*	*	*
60.5N	*	*	*	*	*	*	*	*	*	*	0	*
59.5N	*	*	*	0	2	7	8	20	43	85	145	194
58.5N	*	*	*	0	1	13	21	55	115	190	280	337
57.5N	*	0	*	6	29	67	122	201	304	374	411	419
56.5N	14	35	65	114	181	259	346	402	427	425	395	370
55.5N	137	210	300	377	442	475	475	466	449	434	421	409
54.5N	415	455	475	477	462	445	425	414	411	411	414	410
53.5N	514	496	479	461	444	429	416	409	406	405	405	401
52.5N	481	477	472	465	455	445	435	425	415	409	406	404
51.5N	480	480	480	477	472	466	459	454	451	446	439	426
50.5N	495	495	495	496	499	496	489	477	462	449	436	425
49.5N	500	490	500	510	500	490	480	470	470	460	450	440
48.5N	510	510	510	510	500	490	480	480	480	470	460	450
47.5N	520	520	510	510	500	500	510	500	490	480	470	460
46.5N	530	520	520	520	510	510	510	510	490	480	480	470
45.5N	530	530	530	520	520	520	510	510	500	490	480	470

	OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE												
	204.5	205.5	206.5	207.5	208.5	209.5	210.5	211.5	212.5	213.5	214.5	215.5	
44.5N	520	520	520	520	520	520	520	510	510	490	480	470	
43.5N	520	530	530	520	520	520	510	510	510	490	480	470	
42.5N	520	520	520	520	510	510	510	510	500	490	480	480	
41.5N	520	520	510	510	510	500	500	490	480	480	490	490	
40.5N	510	510	500	500	490	490	490	490	490	490	500	500	
39.5N	500	500	500	500	510	510	510	510	510	500	480	500	
38.5N	530	520	520	520	530	530	520	520	520	520	520	520	
37.5N	550	530	530	530	530	530	530	530	540	540	530	530	
36.5N	560	550	540	540	540	530	530	530	530	530	520	520	
35.5N	580	570	560	550	540	530	530	530	530	530	530	520	
34.5N	570	570	570	560	550	540	540	530	530	530	530	530	
33.5N	570	570	560	560	550	540	540	530	530	530	530	530	
32.5N	570	570	570	570	570	560	540	530	520	520	520	520	
31.5N	580	570	580	580	580	570	550	530	520	510	500	510	
30.5N	580	580	590	590	590	580	560	540	510	500	500	500	
29.5N	580	590	600	600	600	580	560	540	510	510	500	500	
28.5N	560	570	580	580	580	570	550	530	510	510	500	500	
27.5N	530	550	560	560	560	550	540	530	520	520	510	510	
26.5N	520	530	540	540	550	550	540	530	520	520	510	500	
25.5N	490	500	520	530	530	530	530	520	520	520	510	510	
24.5N	460	490	510	510	520	520	520	520	510	510	510	500	
23.5N	470	480	490	510	510	520	520	520	510	500	510	510	
22.5N	490	490	490	500	510	510	520	520	510	510	520	520	
21.5N	500	520	500	530	520	510	520	520	520	520	520	520	
20.5N	250	530	510	500	510	520	520	520	530	530	520	520	
19.5N	*	420	500	510	520	520	520	530	530	530	530	520	
18.5N	420	510	490	510	520	520	520	530	540	540	530	530	
17.5N	490	490	500	510	520	520	530	540	540	540	540	530	
16.5N	500	500	510	520	530	530	550	560	560	570	570	570	
15.5N	510	510	520	530	540	560	570	580	580	590	600	600	
14.5N	520	520	530	540	560	580	590	600	600	520	520	510	
13.5N	520	520	530	530	550	580	590	570	560	540	530	520	
12.5N	520	510	520	520	530	550	540	530	520	530	530	520	
11.5N	510	500	490	500	520	500	500	500	510	520	530	520	
10.5N	500	500	480	490	490	490	490	510	520	520	530	520	
9.5N	500	490	490	480	480	490	500	510	520	520	520	510	
8.5N	500	480	480	480	480	490	500	510	520	510	510	500	
7.5N	510	510	490	490	500	500	510	520	510	510	500	490	
6.5N	470	480	490	490	500	500	500	510	500	490	490	480	
5.5N	430	470	470	480	480	490	490	500	510	490	490	480	
4.5N	450	460	470	470	470	480	480	490	510	500	480	470	
3.5N	460	460	470	470	460	470	490	510	500	490	480	460	
2.5N	450	460	460	460	440	450	480	500	480	470	470	450	
1.5N	440	460	440	430	420	400	460	470	460	450	440	440	
0.5N	420	450	460	440	360	380	430	440	440	430	430	430	

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	216.5	217.5	218.5	219.5	220.5	221.5	222.5	223.5	224.5	225.5	226.5	227.5
89.5N	289	285	281	277	273	269	265	261	257	257	262	266
88.5N	320	320	320	320	320	320	320	320	320	320	320	320
87.5N	255	254	252	250	249	247	245	244	242	241	242	243
86.5N	294	292	290	287	285	282	280	278	275	271	265	259
85.5N	252	249	246	243	239	236	233	230	227	223	218	213
84.5N	181	181	182	183	183	184	184	185	186	189	194	199
83.5N	253	255	256	258	259	261	262	264	265	269	274	279
82.5N	330	331	331	331	332	332	332	332	333	334	337	340
81.5N	382	383	384	385	386	387	388	389	389	390	389	389
80.5N	390	390	390	390	390	390	390	390	390	390	389	388
79.5N	382	382	383	384	386	387	388	386	385	383	382	380
78.5N	370	380	380	380	380	380	380	380	379	379	378	378
77.5N	364	380	380	380	380	380	380	378	377	375	374	372
76.5N	366	380	380	380	380	380	380	377	374	372	369	366
75.5N	380	380	380	380	380	380	380	374	369	363	358	352
74.5N	380	380	379	378	378	377	376	366	357	347	338	328
73.5N	354	354	331	308	286	263	240	230	220	210	200	190
72.5N	305	320	296	273	249	226	202	202	202	202	202	202
71.5N	158	184	187	190	192	195	198	194	189	185	180	176
70.5N	10	14	21	28	34	41	48	46	43	41	38	36
69.5N	*	*	*	*	*	*	*	*	0	3	4	*
68.5N	*	*	*	*	*	*	*	*	*	*	*	*
67.5N	*	*	*	*	*	*	*	*	*	*	*	*
66.5N	*	*	*	*	*	*	*	*	*	*	*	*
65.5N	*	*	*	*	*	*	*	*	*	*	*	*
64.5N	*	*	*	*	*	*	*	*	*	*	*	*
63.5N	*	*	*	*	*	*	*	*	*	*	*	*
62.5N	*	*	*	*	*	*	*	*	*	*	*	*
61.5N	*	*	*	*	*	*	*	*	*	*	*	*
60.5N	*	*	*	*	*	*	*	*	*	*	*	*
59.5N	231	234	201	147	72	*	*	*	*	*	*	*
58.5N	362	364	341	302	247	175	85	*	*	*	*	*
57.5N	396	376	359	342	327	297	252	194	123	56	*	*
56.5N	350	336	329	324	321	305	275	227	162	103	49	*
55.5N	396	381	364	347	332	317	302	275	235	187	132	82
54.5N	400	389	376	364	351	337	322	301	274	229	166	109
53.5N	394	385	375	365	355	344	331	316	299	266	219	162
52.5N	401	395	385	375	365	355	345	335	325	307	282	240
51.5N	409	394	381	371	364	355	345	336	329	319	306	285
50.5N	415	405	395	387	382	377	372	364	351	339	326	312
49.5N	430	420	410	400	400	400	380	370	380	360	320	300
48.5N	440	430	420	420	410	410	400	390	400	380	320	300
47.5N	450	440	430	430	420	420	410	410	400	390	360	320
46.5N	460	450	440	440	430	420	420	410	410	390	360	330
45.5N	470	460	450	440	430	420	420	410	410	400	380	370

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

216.5 217.5 218.5 219.5 220.5 221.5 222.5 223.5 224.5 225.5 226.5 227.5

44.5N	460	450	450	450	440	430	420	410	400	380	380	370
43.5N	460	460	450	450	440	430	420	410	390	370	370	370
42.5N	480	470	460	450	440	430	410	410	400	370	370	370
41.5N	480	470	460	450	440	430	430	430	410	400	370	370
40.5N	490	490	480	470	470	430	410	420	410	400	370	390
39.5N	500	530	550	530	520	500	490	480	440	430	440	430
38.5N	550	570	600	560	520	500	490	490	480	480	470	460
37.5N	540	560	560	550	540	530	520	520	510	510	500	490
36.5N	520	520	520	520	520	520	520	510	510	510	500	500
35.5N	520	520	520	520	520	520	520	510	520	520	510	510
34.5N	520	520	520	520	520	510	510	510	510	510	510	510
33.5N	520	520	520	520	510	510	500	500	500	500	510	500
32.5N	520	520	510	510	510	500	470	450	440	450	460	450
31.5N	510	500	480	440	430	430	400	460	460	460	460	460
30.5N	510	490	490	470	430	440	450	460	460	460	460	460
29.5N	510	500	500	480	470	460	460	460	460	460	460	460
28.5N	500	500	490	480	470	470	460	460	450	430	450	450
27.5N	500	490	470	470	470	470	470	470	460	420	420	420
26.5N	490	480	470	470	470	470	470	470	460	450	450	440
25.5N	490	480	470	480	480	480	480	470	460	460	460	460
24.5N	500	490	490	490	500	500	490	480	470	450	460	460
23.5N	510	510	510	510	500	490	480	470	470	470	470	460
22.5N	520	520	520	510	510	500	480	470	470	470	470	460
21.5N	520	520	520	510	510	510	500	480	480	470	470	470
20.5N	520	520	510	510	520	510	510	500	490	490	470	470
19.5N	520	520	520	520	520	510	510	510	510	500	480	480
18.5N	500	520	520	520	520	520	510	510	510	510	500	500
17.5N	530	530	520	520	510	510	510	510	510	510	510	510
16.5N	550	530	520	510	510	510	510	500	500	500	490	500
15.5N	560	520	510	500	500	490	490	490	490	500	500	510
14.5N	500	490	480	480	480	480	480	490	500	510	510	510
13.5N	510	500	490	490	480	480	480	480	480	490	480	500
12.5N	520	510	510	510	500	500	510	500	490	480	480	480
11.5N	530	520	510	510	510	510	510	510	500	490	480	480
10.5N	520	520	520	510	500	500	500	500	500	510	490	480
9.5N	520	520	510	490	490	480	480	480	490	490	480	480
8.5N	500	500	490	480	480	470	470	470	470	470	470	480
7.5N	490	490	480	470	470	470	470	470	470	460	460	460
6.5N	480	480	470	470	470	460	460	460	460	450	450	440
5.5N	470	470	460	460	460	460	460	460	450	440	440	430
4.5N	460	460	450	450	450	440	450	450	450	450	440	440
3.5N	460	450	440	440	440	440	440	440	440	440	440	430
2.5N	440	440	440	440	430	430	430	430	430	430	430	430
1.5N	430	440	440	440	430	430	430	430	430	430	430	430
0.5N	430	440	440	450	440	430	430	440	440	450	440	440

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	216.5	217.5	218.5	219.5	220.5	221.5	222.5	223.5	224.5	225.5	226.5	227.5
0.5S	430	430	430	440	420	440	450	440	420	430	420	430
1.5S	430	430	430	440	430	450	450	430	420	430	430	440
2.5S	430	430	430	450	450	450	440	440	440	430	440	440
3.5S	450	440	450	450	450	450	460	450	450	440	460	450
4.5S	460	450	440	440	440	450	460	440	450	460	450	440
5.5S	460	460	440	440	420	450	450	440	430	450	450	460
6.5S	440	440	430	420	410	430	430	430	440	450	450	450
7.5S	440	430	380	260	380	400	420	440	470	460	440	450
8.5S	440	420	370	180	330	400	410	440	450	460	450	460
9.5S	450	440	420	300	330	330	410	420	420	440	440	440
10.5S	460	460	440	420	360	350	400	410	410	400	400	400
11.5S	490	480	460	430	400	400	390	400	400	400	400	390
12.5S	490	490	450	440	410	410	420	430	430	420	410	410
13.5S	450	460	450	450	400	390	420	420	420	420	420	420
14.5S	400	410	290	330	400	370	420	430	440	440	440	430
15.5S	360	280	230	180	330	410	420	430	440	440	440	430
16.5S	150	160	240	260	270	320	380	410	430	440	440	430
17.5S	200	150	270	300	350	210	310	260	420	440	440	430
18.5S	420	370	250	260	360	320	260	240	350	430	410	420
19.5S	430	455	410	340	340	300	360	310	330	370	390	400
20.5S	400	450	460	455	390	320	370	370	370	380	370	380
21.5S	460	460	460	380	370	250	340	240	300	350	370	370
22.5S	460	460	460	450	430	340	420	370	380	340	330	360
23.5S	470	470	470	460	450	440	390	390	350	350	370	350
24.5S	470	480	480	450	440	440	420	420	390	380	370	370
25.5S	430	450	450	440	440	440	430	420	400	390	400	390
26.5S	410	430	440	440	440	440	430	420	410	400	390	390
27.5S	310	390	410	430	440	440	430	430	420	420	410	410
28.5S	330	370	380	400	400	430	420	420	430	430	430	420
29.5S	430	430	420	420	410	420	420	430	430	430	420	420
30.5S	470	460	440	430	420	420	430	430	430	430	430	420
31.5S	480	480	460	460	450	440	430	430	430	430	430	420
32.5S	490	490	480	480	480	470	450	440	430	430	440	440
33.5S	500	500	500	490	480	470	460	450	440	440	450	450
34.5S	500	500	500	500	480	470	450	450	450	450	460	460
35.5S	510	500	500	500	480	470	460	470	460	470	470	470
36.5S	510	500	500	490	480	480	460	460	470	470	480	480
37.5S	510	510	510	510	500	490	480	480	480	480	480	480
38.5S	550	540	540	530	520	520	510	500	490	480	480	480
39.5S	550	550	550	540	530	530	520	520	510	490	480	490
40.5S	550	550	550	540	540	530	520	520	510	510	490	490
41.5S	550	550	550	540	530	520	510	510	510	500	490	490
42.5S	540	530	540	540	530	520	510	500	500	500	500	500
43.5S	530	530	530	530	530	530	510	510	500	490	490	490
44.5S	520	520	540	530	520	520	520	520	510	510	540	490

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE
216.5 217.5 218.5 219.5 220.5 221.5 222.5 223.5 224.5 225.5 226.5 227.5

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUDE

	228.5	229.5	230.5	231.5	232.5	233.5	234.5	235.5	236.5	237.5	238.5	239.5
89.5N	271	275	280	284	289	293	298	300	300	300	300	300
88.5N	320	320	319	319	319	319	319	318	317	316	315	314
87.5N	244	245	246	247	248	249	250	252	253	254	256	257
86.5N	254	248	242	236	230	225	219	214	211	207	204	201
85.5N	209	204	200	195	190	186	181	179	178	177	176	175
84.5N	205	210	216	221	226	232	237	240	239	239	239	238
83.5N	285	290	296	301	306	312	317	320	319	319	318	318
82.5N	342	345	348	350	353	356	359	360	359	358	357	356
81.5N	389	388	388	387	387	387	386	384	379	374	370	365
80.5N	388	387	386	385	385	384	383	379	371	364	356	348
79.5N	377	374	370	367	364	349	334	320	305	290	278	267
78.5N	372	366	360	354	348	326	303	281	258	236	213	190
77.5N	360	348	336	324	312	283	254	226	197	168	141	114
76.5N	347	328	310	291	272	237	202	168	133	98	80	63
75.5N	326	299	273	246	220	200	179	159	138	118	99	80
74.5N	298	267	237	206	176	154	133	111	90	68	58	49
73.5N	178	165	153	140	128	108	88	68	48	28	*	*
72.5N	191	180	168	157	146	124	102	80	58	36	*	*
71.5N	161	146	132	117	102	87	71	56	40	25	20	15
70.5N	32	28	25	21	17	15	13	12	10	8	10	12
69.5N	*	*	*	*	*	*	*	*	*	*	*	*
68.5N	*	*	*	*	*	*	*	*	*	*	*	*
67.5N	*	*	*	*	*	*	*	*	*	*	*	*
66.5N	*	*	*	*	*	*	*	*	*	*	*	*
65.5N	*	*	*	*	*	*	*	*	*	*	*	*
64.5N	*	*	*	*	*	*	*	*	*	*	*	*
63.5N	*	*	*	*	*	*	*	*	*	*	*	*
62.5N	*	*	*	*	*	*	*	*	*	*	*	*
61.5N	*	*	*	*	*	*	*	*	*	*	*	*
60.5N	*	*	*	*	*	*	*	*	*	*	*	*
59.5N	*	*	*	*	*	*	*	*	*	*	*	*
58.5N	*	*	*	*	*	*	*	*	*	*	*	*
57.5N	*	*	*	*	*	*	*	*	*	*	*	*
56.5N	*	*	*	*	*	*	*	*	*	*	*	*
55.5N	37	*	*	*	*	*	*	*	*	*	*	*
54.5N	56	17	*	*	*	*	*	*	*	*	*	*
53.5N	97	47	*	*	*	*	*	*	*	*	*	*
52.5N	180	123	68	25	*	*	*	*	*	*	*	*
51.5N	255	217	172	116	49	*	*	*	*	*	*	*
50.5N	297	270	230	174	101	*	*	*	*	*	*	*
49.5N	290	270	250	220	150	*	*	*	*	1	*	*
48.5N	300	280	260	240	220	200	100	*	*	*	*	*
47.5N	300	280	270	260	240	220	180	120	*	*	*	*
46.5N	300	270	260	260	240	220	200	80	*	*	*	*
45.5N	310	270	260	270	280	270	200	60	*	*	*	*

	OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE											
	228.5	229.5	230.5	231.5	232.5	233.5	234.5	235.5	236.5	237.5	238.5	239.5
44.5N	360	310	270	270	280	280	220	10	*	*	*	*
43.5N	360	350	320	310	290	280	240	30	*	*	*	*
42.5N	370	350	330	320	290	270	260	20	*	*	*	*
41.5N	370	340	320	320	270	300	270	50	*	*	*	*
40.5N	380	370	340	350	330	310	270	60	*	*	*	*
39.5N	450	440	450	430	420	410	340	200	*	*	*	*
38.5N	460	470	470	460	460	430	390	310	120	*	*	*
37.5N	480	500	480	470	460	450	420	380	230	50	*	*
36.5N	490	500	490	480	470	460	450	400	330	210	*	*
35.5N	510	500	490	480	480	470	470	4	420	380	320	110
34.5N	510	510	490	480	480	470	470	440	420	400	220	*
33.5N	480	460	450	450	440	440	440	430	410	410	360	60
32.5N	450	440	440	430	400	410	430	420	420	410	390	350
31.5N	460	460	440	420	420	420	430	420	410	400	380	380
30.5N	460	460	450	450	430	420	420	410	390	400	380	370
29.5N	450	460	450	460	450	430	430	430	430	420	400	380
28.5N	450	460	450	450	450	440	440	430	420	420	410	400
27.5N	450	460	440	440	450	440	440	430	440	430	420	410
26.5N	460	450	440	440	440	440	440	420	430	400	400	400
25.5N	460	460	450	430	430	440	440	440	420	430	410	410
24.5N	460	460	440	440	430	430	430	420	420	410	420	400
23.5N	460	460	440	440	400	430	410	410	420	410	420	410
22.5N	460	460	450	450	440	440	400	400	410	410	410	400
21.5N	480	480	470	460	450	450	440	420	410	410	400	390
20.5N	490	500	470	470	460	450	450	450	410	410	400	400
19.5N	510	510	480	480	470	460	440	440	420	410	420	400
18.5N	510	510	480	470	460	430	420	410	420	400	400	400
17.5N	500	500	480	440	460	420	410	400	410	400	400	370
16.5N	510	500	490	480	470	460	460	460	450	440	430	420
15.5N	520	510	500	490	480	480	470	460	450	440	430	430
14.5N	520	510	500	490	480	480	470	460	460	450	440	430
13.5N	490	480	480	480	470	470	470	460	460	460	450	440
12.5N	480	480	480	480	480	470	470	470	470	460	460	450
11.5N	480	480	480	480	480	470	470	470	470	460	460	440
10.5N	480	480	480	470	470	470	470	470	470	460	460	440
9.5N	480	490	480	470	470	460	460	460	460	450	440	430
8.5N	490	500	480	470	460	450	450	440	440	440	440	440
7.5N	470	480	450	450	450	450	450	460	460	440	440	430
6.5N	470	450	440	440	440	450	450	450	440	440	440	430
5.5N	420	430	450	440	440	440	440	440	440	430	430	420
4.5N	430	430	430	430	430	430	430	430	430	430	430	420
3.5N	430	430	430	430	430	430	430	430	430	430	430	410
2.5N	430	430	430	430	440	440	440	440	440	440	430	400
1.5N	430	430	430	440	440	450	450	460	450	440	430	410
0.5N	440	440	440	440	450	460	470	470	490	460	430	410

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	228.5	229.5	230.5	231.5	232.5	233.5	234.5	235.5	236.5	237.5	238.5	239.5
0.5S	430	430	440	440	440	440	440	460	440	440	430	400
1.5S	430	440	440	440	440	450	450	450	430	430	420	
2.5S	440	450	450	440	440	450	450	450	440	430	420	
3.5S	460	450	450	450	450	450	450	450	440	430	420	410
4.5S	460	450	450	450	450	460	460	460	460	430	420	410
5.5S	450	450	450	450	460	460	460	460	450	440	430	400
6.5S	450	460	450	450	450	460	460	460	450	440	430	420
7.5S	470	460	470	450	460	460	460	440	440	440	430	420
8.5S	460	460	460	440	450	450	460	450	440	440	430	420
9.5S	440	430	420	420	440	440	440	440	440	430	420	410
10.5S	410	410	410	420	420	420	420	410	400	400	390	390
11.5S	380	380	390	400	400	410	400	390	390	380	380	380
12.5S	400	400	390	380	380	370	380	370	370	370	370	370
13.5S	410	400	400	390	390	380	370	370	360	360	350	350
14.5S	420	410	410	400	380	370	370	360	360	360	350	350
15.5S	420	420	410	400	390	380	360	350	350	350	350	350
16.5S	420	410	400	400	400	380	370	360	360	360	350	350
17.5S	420	420	400	410	400	390	380	370	370	370	360	350
18.5S	420	420	410	410	400	390	370	370	370	370	370	360
19.5S	410	410	410	400	400	390	380	370	370	370	370	360
20.5S	390	400	400	380	380	380	380	370	370	370	370	360
21.5S	380	380	390	390	380	380	380	370	370	370	370	350
22.5S	370	370	370	380	380	380	380	370	370	350	350	350
23.5S	350	340	370	370	370	380	370	370	360	340	350	350
24.5S	360	320	350	310	320	360	350	310	330	320	290	330
25.5S	370	350	370	370	360	360	350	340	340	320	320	320
26.5S	380	390	380	390	370	370	370	360	360	350	340	340
27.5S	400	400	390	390	380	380	370	370	370	340	340	340
28.5S	410	400	400	400	390	380	370	370	370	360	350	340
29.5S	420	410	410	410	400	370	380	380	370	370	370	360
30.5S	420	410	400	390	380	380	380	380	380	370	370	370
31.5S	410	410	390	370	380	390	390	380	380	380	370	370
32.5S	390	370	410	410	410	400	390	390	390	380	380	370
33.5S	440	430	430	430	420	410	410	400	390	390	380	380
34.5S	450	440	440	430	430	420	410	410	400	400	390	380
35.5S	460	460	450	450	440	430	430	420	420	420	420	400
36.5S	470	470	460	460	460	450	440	420	410	430	410	410
37.5S	480	470	470	470	470	480	470	440	430	430	420	420
38.5S	480	480	480	480	480	480	470	440	430	430	420	420
39.5S	490	480	480	480	480	480	460	440	430	430	420	420
40.5S	490	480	480	480	470	460	450	440	430	430	420	420
41.5S	490	480	460	470	470	460	440	440	430	430	420	420
42.5S	490	490	480	480	480	470	450	440	430	430	420	410
43.5S	500	490	480	480	480	470	450	440	430	430	410	410
44.5S	500	490	480	480	470	460	450	440	410	400	400	390

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUD:

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

240.5 241.5 242.5 243.5 244.5 245.5 246.5 247.5 248.5 249.5 250.5 251.5

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

240.5 241.5 242.5 243.5 244.5 245.5 246.5 247.5 248.5 249.5 250.5 251.5

44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	90	80	*	*	*	*	*	*	*	*	*	*
32.5N	150	130	90	*	*	*	*	*	*	*	*	*
31.5N	290	160	150	35	*	*	*	*	*	*	*	*
30.5N	350	290	220	110	*	*	20	*	*	*	*	*
29.5N	350	310	300	220	50	*	10	*	*	*	*	*
28.5N	370	370	370	370	40	9	*	50	*	*	*	*
27.5N	370	370	370	370	350	*	*	*	90	*	*	*
26.5N	390	390	380	370	360	310	30	*	70	90	*	*
25.5N	380	390	360	380	370	370	200	10	*	100	50	*
24.5N	400	400	380	370	330	350	350	20	*	50	110	80
23.5N	400	390	400	380	370	370	370	310	110	*	70	220
22.5N	400	400	390	400	380	370	360	350	310	200	200	280
21.5N	380	380	380	390	370	370	360	340	330	320	290	290
20.5N	390	390	380	370	370	370	360	350	340	320	290	310
19.5N	400	390	390	370	370	360	350	340	330	310	310	350
18.5N	380	370	370	380	370	340	360	340	310	330	340	350
17.5N	390	370	370	370	370	360	350	340	310	330	350	350
16.5N	380	370	350	370	370	360	370	350	330	330	330	350
15.5N	400	380	370	380	390	370	370	350	330	310	330	370
14.5N	410	400	400	410	400	380	370	370	350	330	370	370
13.5N	400	400	400	410	400	390	380	380	370	380	370	370
12.5N	420	410	400	410	410	400	400	390	370	350	360	370
11.5N	420	420	400	410	410	410	410	400	380	370	370	360
10.5N	430	420	420	420	410	400	380	370	330	330	290	330
9.5N	420	410	410	400	400	400	380	350	320	360	360	310
8.5N	400	400	400	410	410	410	380	380	390	390	370	360
7.5N	430	410	410	420	410	410	410	400	400	400	370	370
6.5N	420	420	420	420	410	410	410	410	410	420	370	370
5.5N	420	420	420	420	410	410	410	410	410	410	370	370
4.5N	420	420	420	420	410	400	400	400	400	400	370	370
3.5N	420	420	420	410	400	390	390	390	390	390	370	370
2.5N	410	410	410	400	390	380	380	380	380	380	380	380
1.5N	400	400	400	390	380	380	380	380	380	380	380	380
0.5N	390	390	390	390	390	390	390	380	380	380	380	390

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

240.5 241.5 242.5 243.5 244.5 245.5 246.5 247.5 248.5 249.5 250.5 251.5

0.5S	390	400	420	390	380	410	410	410	400	400	400
1.5S	420	420	430	430	420	420	420	415	410	400	380
2.5S	420	420	430	420	420	435	430	425	420	405	395
3.5S	420	420	430	420	420	440	440	430	410	395	375
4.5S	430	420	420	420	430	445	430	405	390	380	365
5.5S	400	420	440	430	430	435	420	410	390	360	340
6.5S	410	420	430	420	420	435	425	400	370	360	345
7.5S	420	420	420	420	410	420	400	380	365	345	320
8.5S	420	410	420	430	400	405	390	370	345	300	290
9.5S	410	410	400	400	390	380	375	350	330	310	295
10.5S	390	390	380	370	360	370	355	340	320	300	320
11.5S	380	380	370	360	340	345	340	320	305	290	320
12.5S	370	370	360	350	320	330	315	310	300	310	330
13.5S	360	360	350	340	320	320	310	305	305	315	335
14.5S	340	350	340	330	320	310	305	305	320	340	350
15.5S	350	340	320	320	320	320	315	310	335	355	360
16.5S	360	350	340	340	320	320	305	310	340	360	370
17.5S	350	350	340	340	320	320	305	320	350	360	375
18.5S	360	350	340	330	330	310	300	320	345	365	380
19.5S	360	360	360	350	340	320	320	330	340	360	385
20.5S	330	360	350	340	340	310	315	335	340	355	380
21.5S	350	350	340	330	320	305	315	330	345	360	380
22.5S	350	340	330	330	320	320	320	335	345	360	375
23.5S	340	330	320	310	300	310	320	330	345	370	380
24.5S	330	330	290	290	310	315	315	320	335	345	360
25.5S	320	310	310	260	280	300	310	315	320	320	355
26.5S	330	320	310	300	290	260	275	275	270	290	310
27.5S	340	330	330	330	320	305	280	270	260	280	270
28.5S	340	340	340	330	330	320	290	290	280	290	285
29.5S	350	350	350	340	330	320	310	295	290	290	310
30.5S	360	360	350	340	330	315	305	295	290	290	310
31.5S	370	360	350	340	340	315	300	290	290	300	310
32.5S	370	360	340	340	340	320	300	290	290	295	310
33.5S	370	370	360	350	340	325	300	295	290	290	320
34.5S	380	370	370	360	340	340	300	295	290	290	310
35.5S	400	390	380	370	360	350	320	295	290	295	310
36.5S	410	410	390	380	370	350	320	295	290	295	320
37.5S	410	410	400	380	370	350	340	295	290	295	320
38.5S	410	410	400	390	370	340	320	295	290	300	330
39.5S	410	410	400	390	370	345	325	295	285	300	335
40.5S	410	410	400	390	370	355	330	300	290	295	320
41.5S	410	410	400	380	370	360	310	290	280	295	320
42.5S	410	410	400	380	370	340	300	285	285	315	335
43.5S	410	410	390	370	340	330	305	290	290	310	325
44.5S	380	380	370	350	350	325	295	290	295	310	320

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

252.5 253.5 254.5 255.5 256.5 257.5 258.5 259.5 260.5 261.5 262.5 263.5

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUDE
 252.5 253.5 254.5 255.5 256.5 257.5 258.5 259.5 260.5 261.5 262.5 263.5

44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	30
26.5N	*	*	*	*	*	*	*	*	*	*	5	70
25.5N	*	*	*	*	*	*	*	*	*	*	20	150
24.5N	*	*	*	*	*	*	*	*	*	*	60	230
23.5N	100	*	*	*	*	*	*	*	*	*	100	240
22.5N	240	70	*	*	*	*	*	*	*	*	40	220
21.5N	280	130	10	*	*	*	*	*	*	*	*	180
20.5N	310	330	*	*	*	*	*	*	*	*	*	20
19.5N	350	370	200	*	*	*	*	*	*	*	*	*
18.5N	350	330	350	190	80	*	*	*	*	*	*	*
17.5N	370	350	310	350	380	200	25	*	*	*	*	*
16.5N	350	340	290	290	370	420	400	200	190	*	*	*
15.5N	380	330	290	320	330	350	350	360	370	370	280	150
14.5N	370	350	330	320	320	350	350	340	350	330	340	350
13.5N	370	360	340	310	300	300	330	340	340	340	360	370
12.5N	370	360	340	310	300	320	320	330	340	360	380	400
11.5N	370	360	340	310	290	310	320	340	360	370	400	410
10.5N	350	360	330	310	300	330	330	350	360	370	390	390
9.5N	330	340	320	300	310	320	330	350	370	370	370	370
8.5N	350	350	330	300	310	300	330	340	360	360	370	360
7.5N	370	370	360	340	310	290	320	330	330	350	350	350
6.5N	380	370	360	350	320	290	310	330	290	340	350	360
5.5N	370	370	360	340	320	300	320	330	340	340	350	350
4.5N	370	370	370	350	330	300	320	330	340	340	350	340
3.5N	370	370	370	370	340	300	310	330	340	340	340	340
2.5N	380	380	370	360	350	340	330	320	310	310	290	270
1.5N	3	380	370	360	360	350	340	330	320	310	290	300
0.5N	350	390	370	360	350	340	330	330	340	330	330	330

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

252.5 253.5 254.5 255.5 256.5 257.5 258.5 259.5 260.5 261.5 262.5 263.5

0.5S	395	390	380	370	360	340	330	330	330	330	330	330
1.5S	380	380	370	355	340	335	340	345	330	330	330	340
2.5S	370	360	355	340	330	335	345	360	350	350	340	340
3.5S	360	350	340	320	335	345	360	370	360	360	370	360
4.5S	345	330	320	330	340	370	375	380	365	370	375	370
5.5S	320	310	345	355	365	380	390	395	385	385	385	385
6.5S	305	320	350	375	380	400	415	410	370	365	395	395
7.5S	310	335	365	380	385	410	405	410	400	390	395	405
8.5S	330	350	375	400	390	415	420	415	415	405	390	375
9.5S	350	360	390	400	430	430	425	420	415	405	395	390
10.5S	360	380	400	420	430	440	430	425	415	400	395	385
11.5S	370	385	395	410	420	425	425	420	425	395	390	385
12.5S	360	370	380	410	430	450	415	420	405	390	375	365
13.5S	365	375	385	410	430	440	425	415	405	380	360	355
14.5S	370	380	390	405	420	425	425	420	415	400	350	350
15.5S	370	380	390	405	415	425	425	415	410	405	395	375
16.5S	380	390	400	410	415	420	425	415	415	410	390	405
17.5S	395	405	410	415	420	425	425	420	430	420	430	410
18.5S	405	410	415	420	425	425	430	430	445	440	435	430
19.5S	410	415	420	420	420	425	430	440	445	435	430	425
20.5S	410	415	420	420	415	410	410	420	420	425	425	428
21.5S	410	415	415	415	410	405	385	395	400	410	420	415
22.5S	405	415	410	410	410	405	390	390	390	405	410	405
23.5S	390	400	400	385	390	385	385	380	390	400	405	395
24.5S	375	375	380	370	370	370	375	375	370	365	350	360
25.5S	360	340	320	330	330	350	350	300	330	330	320	340
26.5S	320	290	250	250	260	300	250	240	290	340	360	365
27.5S	305	305	310	315	320	310	310	320	355	355	355	355
28.5S	310	315	325	335	345	355	345	350	355	355	355	355
29.5S	320	330	340	355	355	355	355	360	355	360	370	380
30.5S	320	330	340	355	360	355	360	370	360	370	380	380
31.5S	320	330	340	350	355	360	360	365	375	380	380	390
32.5S	330	340	345	350	350	350	360	370	375	380	380	390
33.5S	330	340	350	345	340	340	340	350	355	380	380	380
34.5S	335	320	330	340	340	340	350	350	365	360	370	375
35.5S	350	355	350	345	345	345	345	350	355	370	375	380
36.5S	350	375	395	400	380	375	370	355	360	370	380	370
37.5S	360	380	390	410	410	410	405	390	390	385	380	370
38.5S	370	385	395	410	405	405	410	420	425	420	390	385
39.5S	370	385	390	410	405	405	415	430	435	440	395	380
40.5S	355	375	380	400	410	420	430	440	460	440	400	395
41.5S	360	370	380	385	390	410	420	430	440	455	420	415
42.5S	360	360	360	370	380	390	410	435	455	430	405	440
43.5S	330	350	355	375	360	380	390	420	420	390	410	410
44.5S	330	355	365	375	385	395	390	390	390	400	400	410

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUDE

264.5 265.5 266.5 267.5 268.5 269.5 270.5 271.5 272.5 273.5 274.5 275.5

44.5N	*	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	5	60	70	20	5	
28.5N	10	10	10	10	10	15	20	70	180	150	70	20	
27.5N	60	70	50	70	60	100	120	170	220	300	300	70	
26.5N	160	200	180	180	200	210	260	280	290	310	310	200	
25.5N	250	310	320	300	320	320	320	310	310	310	310	300	
24.5N	300	330	350	360	370	370	350	320	250	180	300	310	
23.5N	310	340	370	380	380	370	300	220	30	60	250	250	
22.5N	310	330	330	300	250	200	120	15	10	30	150	210	
21.5N	300	320	300	230	15	10	10	*	*	*	120	250	
20.5N	280	250	200	180	15	10	*	*	*	20	150	410	
19.5N	120	130	100	50	20	5	*	*	60	100	380	420	
18.5N	20	60	10	*	*	*	*	*	*	280	410	380	
17.5N	*	*	*	*	*	*	*	*	5	200	420	470	
16.5N	*	*	*	*	*	*	*	*	*	250	20	170	
15.5N	170	50	*	*	*	*	*	*	*	*	*	*	
14.5N	420	400	260	5	*	*	*	*	*	*	*	*	
13.5N	400	400	460	400	150	30	*	*	*	*	*	*	
12.5N	400	390	380	380	420	400	290	130	*	*	*	*	
11.5N	400	400	390	370	370	370	380	370	260	*	*	*	
10.5N	390	380	370	370	370	370	350	320	330	220	*	*	
9.5N	370	370	370	360	370	360	340	330	320	330	150	*	
8.5N	360	360	360	360	350	340	340	340	330	310	270	200	
7.5N	370	360	360	350	350	340	340	340	330	290	240	150	
6.5N	370	370	350	360	370	350	340	340	330	240	180	160	
5.5N	350	360	360	370	360	340	330	270	200	160	200	290	
4.5N	350	340	340	320	310	290	280	240	160	130	260	330	
3.5N	330	320	290	270	260	240	220	180	180	200	290	310	
2.5N	260	260	260	240	230	220	200	200	250	270	300	300	
1.5N	280	300	270	250	200	180	210	250	260	270	270	310	
0.5N	330	310	300	290	220	160	180	240	270	270	270	310	

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

264.5 265.5 266.5 267.5 268.5 269.5 270.5 271.5 272.5 273.5 274.5 275.5

0.5S	320	330	320	320	150	30	70	160	200	240	270	260
1.5S	330	330	340	340	320	200	180	180	220	230	240	180
2.5S	350	340	350	340	340	320	330	310	310	310	290	270
3.5S	360	370	360	350	370	350	350	350	330	330	330	330
4.5S	375	375	395	385	370	375	370	370	360	370	370	350
5.5S	385	385	405	415	410	380	370	390	380	380	390	390
6.5S	395	395	410	425	410	410	390	380	410	400	400	400
7.5S	405	405	410	415	405	415	420	400	420	410	410	410
8.5S	390	405	415	425	430	415	400	400	410	420	400	430
9.5S	395	375	400	435	430	425	380	400	430	430	430	450
10.5S	375	370	380	410	425	425	370	420	440	450	440	460
11.5S	385	345	380	395	415	415	410	420	430	430	440	440
12.5S	360	370	390	405	405	415	420	420	420	420	440	440
13.5S	360	365	385	395	385	400	380	410	410	420	460	480
14.5S	385	365	390	400	395	410	370	420	440	440	480	460
15.5S	375	375	395	415	445	450	380	420	440	450	460	470
16.5S	400	390	400	425	455	460	390	420	440	440	450	460
17.5S	390	410	415	440	455	460	430	440	440	440	440	440
18.5S	420	405	420	430	445	455	440	440	440	440	440	440
19.5S	425	410	410	420	430	445	440	440	440	440	440	440
20.5S	420	405	405	415	430	440	440	440	440	440	430	430
21.5S	410	395	390	395	410	425	440	440	430	420	410	420
22.5S	395	390	380	390	405	410	420	420	410	410	410	410
23.5S	385	380	375	380	395	405	380	380	390	370	270	350
24.5S	370	370	360	365	370	375	375	380	370	360	360	360
25.5S	350	360	350	300	310	330	350	370	350	330	320	330
26.5S	370	360	370	380	390	395	405	370	330	320	350	370
27.5S	355	350	360	370	380	385	370	360	350	375	380	385
28.5S	360	350	360	375	380	380	380	380	380	370	360	395
29.5S	390	390	390	380	375	375	370	370	370	370	350	395
30.5S	390	395	405	390	370	370	360	370	375	380	390	395
31.5S	390	390	395	380	370	360	350	360	370	380	390	395
32.5S	390	390	390	380	370	360	345	355	370	380	390	400
33.5S	380	380	380	380	380	375	370	375	380	380	380	385
34.5S	370	370	380	380	380	390	390	395	395	390	380	380
35.5S	365	360	375	380	385	390	395	410	410	405	395	390
36.5S	360	355	370	390	395	380	390	400	420	420	405	385
37.5S	360	325	330	340	380	400	395	380	400	440	420	400
38.5S	380	340	325	325	325	375	410	420	400	405	430	420
39.5S	365	360	360	350	350	350	350	365	420	430	440	430
40.5S	390	380	375	370	355	340	355	360	360	345	395	430
41.5S	420	395	385	380	370	360	325	340	350	365	360	340
42.5S	440	440	420	410	390	380	360	340	335	345	350	440
43.5S	420	445	455	440	420	400	380	375	365	355	340	335
44.5S	420	440	455	410	455	430	415	395	385	375	360	360

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

264.5 265.5 266.5 267.5 268.5 269.5 270.5 271.5 272.5 273.5 274.5 275.5

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	DEGREES EAST LONGITUDE														
	276.5	277.5	278.5	279.5	280.5	281.5	282.5	283.5	284.5	285.5	286.5	287.5			
89.5N	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
88.5N	261	253	246	239	231	224	216	209	202	197	195	193			
87.5N	242	242	243	244	244	245	245	246	247	245	242	239			
86.5N	212	213	214	215	216	217	218	219	219	219	218	217			
85.5N	172	168	165	162	158	155	151	148	145	140	134	127			
84.5N	172	169	165	162	159	156	152	149	146	142	138	133			
83.5N	158	149	141	132	124	115	106	98	89	83	78	74			
82.5N	77	68	59	50	41	*	*	*	*	*	*	*			
81.5N	*	*	*	*	*	*	*	*	*	*	*	*			
80.5N	*	*	*	*	*	*	*	*	*	*	*	*			
79.5N	*	*	*	*	*	*	*	*	*	*	*	*			0
78.5N	*	*	*	*	*	*	*	*	*	*	*	*			0
77.5N	*	*	*	*	*	*	*	*	*	0	0	0		4	12
76.5N	*	*	*	*	*	*	*	0	0	0	3	11	18	26	
75.5N	*	*	*	*	*	*	*	0	0	0	15	33	52	70	
74.5N	21	22	26	31	35	40	44	59	74	90	105	120			
73.5N	*	*	*	*	*	*	*	*	*	*	1	10	20		
72.5N	*	*	*	*	*	*	*	*	*	*	0	0			
71.5N	*	*	*	*	*	*	*	*	*	*	*	*			
70.5N	*	*	*	*	*	*	*	*	*	*	*	*			
69.5N	*	*	0	1	3	3	1	*	*	*	*	*			
68.5N	*	*	*	0	3	7	8	9	8	8	4	4			
67.5N	*	*	*	*	0	9	16	18	14	14	9	9			
66.5N	*	*	2	5	7	6	1	*	*	*	*	*			
65.5N	3	8	14	16	14	9	1	*	*	*	*	*			
64.5N	*	*	0	10	20	20	11	*	*	*	*	*			
63.5N	*	0	4	7	9	10	10	12	12	15	18	21		15	
62.5N	7	6	6	8	12	14	12	11	9	10	10	15		17	
61.5N	17	17	16	15	13	9	*	*	*	*	*	*			
60.5N	18	17	15	13	10	7	*	*	*	*	*	*			
59.5N	13	12	12	11	9	6	*	*	*	*	*	*			
58.5N	14	14	15	14	11	6	*	*	*	*	*	*			
57.5N	13	13	11	9	6	3	*	*	*	*	*	*			
56.5N	9	9	7	6	4	1	*	*	*	*	*	*			
55.5N	2	3	4	4	3	1	*	*	*	*	*	*			
54.5N	*	*	0	2	2	*	*	*	*	*	*	*			
53.5N	*	*	*	*	0	*	*	*	*	*	*	*			
52.5N	*	*	*	*	*	1	*	*	*	*	*	*			
51.5N	*	*	*	*	*	*	*	*	*	*	*	*			
50.5N	*	*	*	*	*	*	*	*	*	*	*	*			
49.5N	*	*	*	*	*	*	*	*	*	*	*	*			
48.5N	*	*	*	*	*	*	*	*	*	*	*	*			
47.5N	*	*	*	*	*	*	*	*	*	*	*	*			
46.5N	*	*	*	*	*	*	*	*	*	*	*	*			
45.5N	*	*	*	*	*	*	*	*	*	*	*	*			

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

276.5 277.5 278.5 279.5 280.5 281.5 282.5 283.5 284.5 285.5 286.5 287.5

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUDE
 276.5 277.5 278.5 279.5 280.5 281.5 282.5 283.5 284.5 285.5 286.5 287.5

0.5S	220	160	180	*	*	*	*	*	*	*	*	*
1.5S	170	160	160	*	*	*	*	*	*	*	*	*
2.5S	270	270	260	*	*	*	*	*	*	*	*	*
3.5S	300	310	260	*	*	*	*	*	*	*	*	*
4.5S	360	380	210	*	*	*	*	*	*	*	*	*
5.5S	370	420	240	*	*	*	*	*	*	*	*	*
6.5S	400	420	250	*	*	*	*	*	*	*	*	*
7.5S	420	420	440	70	*	*	*	*	*	*	*	*
8.5S	440	440	510	240	10	*	*	*	*	*	*	*
9.5S	460	440	480	420	70	*	*	*	*	*	*	*
10.5S	470	440	450	490	350	60	*	*	*	*	*	*
11.5S	440	450	450	460	490	220	*	*	*	*	*	*
12.5S	460	470	470	450	480	420	130	*	*	*	*	*
13.5S	480	490	480	460	440	460	260	30	*	*	*	*
14.5S	420	500	490	460	430	420	440	240	*	*	*	*
15.5S	460	480	480	450	420	410	330	350	220	*	*	*
16.5S	440	460	460	430	400	350	270	310	480	330	220	*
17.5S	440	440	440	420	350	310	350	390	420	510	490	220
18.5S	440	440	420	380	310	370	420	450	440	440	460	550
19.5S	440	420	370	320	350	420	440	460	470	470	460	420
20.5S	420	380	270	270	400	460	470	490	480	480	480	440
21.5S	400	270	220	390	420	440	420	480	480	480	480	400
22.5S	370	260	380	420	440	460	450	460	450	450	400	380
23.5S	310	350	420	420	450	460	450	440	440	420	370	380
24.5S	350	320	395	430	465	470	490	445	425	370	420	430
25.5S	350	405	400	410	425	435	430	410	360	410	400	420
26.5S	400	410	390	310	320	400	350	360	390	410	420	430
27.5S	390	390	390	390	380	380	380	400	410	420	415	500
28.5S	405	405	405	405	410	405	405	420	415	420	420	415
29.5S	400	405	410	410	410	410	415	420	420	420	440	500
30.5S	400	405	410	410	420	430	420	420	420	420	450	500
31.5S	400	405	405	410	420	430	440	430	420	415	380	450
32.5S	400	405	410	410	415	420	430	425	420	420	350	400
33.5S	385	390	385	350	360	330	350	400	430	420	450	250
34.5S	380	380	370	360	370	380	390	410	415	420	450	150
35.5S	385	390	390	395	395	395	390	400	420	470	300	2
36.5S	400	390	395	410	410	420	410	410	420	430	50	*
37.5S	385	400	410	405	405	415	420	425	420	350	*	*
38.5S	395	390	395	405	410	410	415	415	420	300	*	*
39.5S	405	405	390	390	400	410	410	415	420	250	4	*
40.5S	440	430	400	395	390	395	415	410	405	200	*	*
41.5S	380	420	410	395	390	380	380	385	370	100	*	*
42.5S	330	320	360	395	390	380	375	380	250	20	*	*
43.5S	330	320	310	340	375	370	370	360	250	6	3	*
44.5S	345	330	320	305	300	340	330	350	190	*	*	*

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUDE

276.5 277.5 278.5 279.5 280.5 281.5 282.5 283.5 284.5 285.5 286.5 287.5

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE
288.5 289.5 290.5 291.5 292.5 293.5 294.5 295.5 296.5 297.5 298.5 299.5

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE
88.5 289.5 290.5 291.5 292.5 293.5 294.5 295.5 296.5 297.5 298.5 299.5

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	300.5	301.5	302.5	303.5	304.5	305.5	306.5	307.5	308.5	309.5	310.5	311.5
89.5N	303	303	304	304	305	307	312	317	322	327	332	337
88.5N	178	178	177	177	177	181	189	196	204	212	220	228
87.5N	196	193	189	185	182	181	182	183	184	185	187	188
86.5N	160	151	142	133	124	121	122	123	124	126	127	128
85.5N	85	86	87	88	89	95	105	115	126	136	146	156
84.5N	158	169	179	189	200	207	212	217	222	227	231	236
83.5N	49	50	52	54	55	62	75	88	101	114	127	140
82.5N	*	*	*	*	*	*	*	0	0	0	0	0
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	55	32	*	*	*	*	*	*	*	*	*	*
74.5N	152	137	122	92	61	*	*	*	*	*	*	*
73.5N	129	106	84	63	42	*	*	*	*	*	*	*
72.5N	172	161	150	119	88	*	*	*	*	*	*	*
71.5N	164	165	166	135	104	72	41	*	*	*	*	*
70.5N	110	132	154	128	103	77	52	*	*	*	*	*
69.5N	107	86	59	39	26	11	*	*	*	*	*	*
68.5N	114	97	72	52	37	27	22	12	*	*	*	*
67.5N	95	97	82	62	37	15	*	*	*	*	*	*
66.5N	41	56	59	52	37	19	*	*	*	*	*	*
65.5N	39	42	47	49	46	39	26	6	*	*	*	*
64.5N	32	40	50	60	70	67	52	25	*	*	*	*
63.5N	52	74	101	127	152	152	127	86	27	*	*	*
62.5N	101	140	180	204	211	211	204	180	140	77	*	*
61.5N	126	167	212	244	261	271	274	256	219	164	93	*
60.5N	147	150	230	260	280	294	301	307	312	289	236	172
59.5N	103	161	224	267	292	309	316	320	320	319	316	307
58.5N	81	142	211	260	290	311	324	332	337	337	332	324
57.5N	46	98	159	215	265	301	324	342	357	364	361	352
56.5N	19	56	109	165	225	267	292	314	331	344	351	352
55.5N	*	12	37	69	106	152	207	254	291	315	325	331
54.5N	*	*	*	2	17	44	81	132	197	250	290	319
53.5N	*	*	*	*	*	9	26	62	117	181	254	306
52.5N	*	*	*	*	*	5	20	44	78	130	200	264
51.5N	*	*	*	*	0	9	21	36	52	90	150	210
50.5N	0	2	2	*	8	19	36	52	67	82	97	127
49.5N	30	.5	*	*	*	*	10	40	60	70	100	180
48.5N	30	*	*	*	*	*	*	20	20	20	60	100
47.5N	30	20	10	10	*	*	*	*	15	15	15	20
46.5N	20	40	40	15	5	20	5	5	10	10	10	15
45.5N	10	20	40	40	10	15	10	10	15	15	15	70

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUDE

300.5 301.5 302.5 303.5 304.5 305.5 306.5 307.5 308.5 309.5 310.5 311.5

0.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*	15
30.5S	*	*	*	*	*	*	*	*	*	*	*	20	120
31.5S	*	*	*	*	*	*	*	*	*	*	10	120	250
32.5S	*	*	*	*	*	*	*	*	*	10	20	180	300
33.5S	*	*	*	*	*	*	*	*	5	70	130	230	320
34.5S	*	*	*	*	*	*	*	*	15	150	300	350	400
35.5S	*	*	*	5	5	5	15	170	260	380	420	470	
36.5S	*	*	*	*	10	20	120	280	380	410	460	500	
37.5S	*	*	*	*	5	15	80	250	390	430	470	510	
38.5S	*	*	5	10	30	150	350	450	480	510	510	520	
39.5S	5	5	10	15	80	300	430	490	510	510	520	520	
40.5S	10	10	15	80	180	410	480	510	510	520	520	520	
41.5S	10	10	40	280	350	480	510	510	520	520	520	520	
42.5S	15	40	180	300	450	500	510	520	520	530	520	520	
43.5S	50	200	300	450	510	510	520	550	530	550	520	520	
44.5S	120	280	380	500	520	520	550	530	550	530	520	510	

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

300.5 301.5 302.5 303.5 304.5 305.5 306.5 307.5 308.5 309.5 310.5 311.5

	OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE											
	312.5	313.5	314.5	315.5	316.5	317.5	318.5	319.5	320.5	321.5	322.5	323.5
89.5N	342	347	352	357	362	366	371	376	380	385	389	394
88.5N	235	243	251	262	275	289	303	317	330	344	358	371
87.5N	189	190	191	198	209	221	232	244	255	267	278	290
86.5N	130	131	132	139	152	164	177	190	202	215	227	240
85.5N	166	177	187	197	208	219	230	241	251	262	273	284
84.5N	241	246	251	253	254	254	254	255	255	256	256	256
83.5N	153	166	179	179	166	152	139	126	112	99	85	72
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	*	*	*	*
69.5N	*	*	*	*	*	*	*	*	*	*	*	*
68.5N	*	*	*	*	*	*	*	*	*	*	*	*
67.5N	*	*	*	*	*	*	*	*	*	*	*	*
66.5N	*	*	*	*	*	*	*	*	*	*	*	5
65.5N	*	*	*	*	*	*	*	*	*	*	0	19
64.5N	*	*	*	*	*	*	*	*	*	26	79	122
63.5N	*	*	*	*	*	*	*	*	6	69	124	171
62.5N	*	*	*	*	*	*	*	0	49	116	171	214
61.5N	*	*	*	*	*	*	*	50	112	177	226	259
60.5N	97	36	*	*	*	*	0	50	112	177	226	259
59.5N	292	259	206	160	120	116	149	189	236	269	286	292
58.5N	311	294	271	251	234	234	251	271	294	306	309	306
57.5N	337	326	319	315	315	316	319	319	316	312	307	297
56.5N	347	342	337	334	331	329	326	322	317	310	300	282
55.5N	334	337	342	344	341	335	325	316	309	301	294	280
54.5N	336	351	364	370	370	362	347	331	314	296	279	260
53.5N	339	350	340	336	339	345	345	352	337	324	311	296
52.5N	321	360	380	392	397	396	389	379	366	354	341	330
51.5N	270	316	349	376	399	407	402	397	392	389	386	382
50.5N	172	227	292	342	377	400	410	415	415	411	404	399
49.5N	240	280	300	330	360	410	425	440	440	430	420	425
48.5N	150	180	150	120	250	410	420	420	430	440	450	440
47.5N	40	100	60	50	230	320	420	450	450	460	450	440
46.5N	40	120	80	100	260	310	400	440	450	420	400	420
45.5N	170	310	350	430	460	470	430	420	420	420	460	450

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	312.5	313.5	314.5	315.5	316.5	317.5	318.5	319.5	320.5	321.5	322.5	323.5
44.5N	360	390	400	470	490	470	420	400	400	380	430	410
43.5N	380	420	450	470	480	510	490	450	420	370	380	390
42.5N	300	390	440	465	480	490	490	500	480	460	420	400
41.5N	390	450	475	485	510	530	520	490	470	450	440	440
40.5N	390	450	460	470	480	520	570	490	480	470	460	460
39.5N	500	450	440	450	470	500	500	490	480	460	450	430
38.5N	550	520	510	520	510	520	500	460	440	430	400	380
37.5N	560	540	540	530	520	500	460	440	430	400	380	360
36.5N	530	560	590	540	500	470	450	430	400	370	340	320
35.5N	450	490	480	480	480	440	430	420	390	370	340	320
34.5N	480	470	460	400	430	430	420	400	350	300	280	280
33.5N	490	460	440	420	400	380	390	330	300	280	300	300
32.5N	500	460	430	400	380	360	330	290	280	320	330	340
31.5N	500	460	440	420	400	310	290	300	300	340	380	390
30.5N	480	450	440	420	350	270	340	340	340	370	370	390
29.5N	440	430	410	380	320	340	350	380	380	410	420	430
28.5N	440	420	390	330	280	380	380	410	430	450	470	470
27.5N	460	440	400	340	320	400	430	440	470	470	490	510
26.5N	460	420	380	340	370	400	420	470	490	520	540	550
25.5N	440	340	300	320	400	410	420	480	490	510	540	570
24.5N	400	350	320	390	390	410	460	500	500	500	540	570
23.5N	390	400	280	400	410	420	450	490	500	510	530	560
22.5N	400	380	300	300	400	420	480	480	490	510	530	560
21.5N	420	390	320	330	380	420	450	470	510	520	550	570
20.5N	390	350	300	360	390	420	450	490	550	540	560	590
19.5N	330	300	300	370	390	430	460	490	520	550	580	640
18.5N	330	300	320	380	410	440	460	480	490	550	600	590
17.5N	350	380	330	390	420	450	480	480	490	510	580	570
16.5N	340	330	350	280	440	470	510	510	510	520	530	550
15.5N	360	350	380	400	420	460	510	510	530	550	560	580
14.5N	370	350	350	380	420	450	510	520	530	550	560	580
13.5N	420	380	280	380	410	450	480	490	510	550	590	600
12.5N	480	450	400	370	420	430	450	460	500	530	560	580
11.5N	470	430	390	340	230	360	400	420	460	510	520	550
10.5N	460	440	420	380	400	420	400	400	410	430	460	500
9.5N	460	460	480	440	420	400	330	380	320	370	390	420
8.5N	440	450	450	440	420	410	400	450	380	400	400	400
7.5N	420	430	430	430	420	410	410	420	420	420	410	400
6.5N	400	410	410	410	410	420	420	420	430	440	430	420
5.5N	310	360	380	380	360	410	420	420	430	460	450	430
4.5N	180	320	370	400	380	360	410	410	420	440	430	410
3.5N	130	280	370	400	400	390	370	400	420	420	410	400
2.5N	80	250	350	380	400	410	390	410	410	410	400	390
1.5N	15	150	300	370	390	410	410	410	410	410	420	400
0.5N	10	15	120	250	340	380	400	400	410	410	420	400

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	312.5	313.5	314.5	315.5	316.5	317.5	318.5	319.5	320.5	321.5	322.5	323.5
0.5S	*	5	10	20	250	320	350	370	380	410	420	430
1.5S	*	*	*	5	100	200	280	330	340	330	380	410
2.5S	*	*	*	*	*	5	10	10	100	230	330	370
3.5S	*	*	*	*	*	*	*	*	*	50	120	280
4.5S	*	*	*	*	*	*	*	*	*	*	10	150
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	10
11.5S	*	*	*	*	*	*	*	*	*	*	*	230
12.5S	*	*	*	*	*	*	*	*	*	*	150	370
13.5S	*	*	*	*	*	*	*	*	*	150	330	390
14.5S	*	*	*	*	*	*	*	*	*	150	380	410
15.5S	*	*	*	*	*	*	*	*	*	120	330	410
16.5S	*	*	*	*	*	*	*	*	*	100	250	400
17.5S	*	*	*	*	*	*	*	*	*	120	200	310
18.5S	*	*	*	*	*	*	*	*	*	*	10	120
19.5S	*	*	*	*	*	*	*	*	*	50	50	250
20.5S	*	*	*	*	*	*	*	*	*	180	250	270
21.5S	*	*	*	*	*	*	*	*	10	120	310	370
22.5S	*	*	*	*	*	*	*	*	120	250	310	330
23.5S	*	*	*	5	10	40	60	220	310	350	380	410
24.5S	*	5	5	80	130	160	220	300	320	360	400	420
25.5S	5	15	40	180	220	250	270	300	350	390	420	430
26.5S	10	70	160	220	230	250	280	330	380	420	430	440
27.5S	40	150	240	280	270	270	300	360	410	430	430	430
28.5S	40	200	300	320	320	360	390	380	410	420	420	410
29.5S	140	250	310	330	340	380	400	410	410	410	370	350
30.5S	200	280	330	350	360	380	390	400	400	400	350	250
31.5S	300	350	360	375	380	390	380	390	410	380	300	270
32.5S	340	370	400	400	400	400	410	410	430	410	400	350
33.5S	370	400	430	425	425	430	430	440	430	430	420	410
34.5S	430	450	460	450	450	460	450	460	440	450	430	420
35.5S	500	500	490	475	475	480	480	470	480	460	440	450
36.5S	510	510	500	500	500	510	510	500	490	490	480	470
37.5S	515	520	510	510	510	510	510	510	510	510	490	480
38.5S	530	530	530	530	520	520	520	520	510	510	500	490
39.5S	520	520	520	520	520	520	520	520	520	520	510	500
40.5S	520	520	520	520	520	530	530	530	530	530	530	520
41.5S	520	520	520	520	530	540	540	530	530	530	530	520
42.5S	520	510	510	510	520	530	530	530	530	520	520	510
43.5S	510	510	510	510	520	520	520	520	520	520	520	520
44.5S	450	500	500	510	520	510	520	520	520	520	520	520

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	324.5	325.5	326.5	327.5	328.5	329.5	330.5	331.5	332.5	333.5	334.5	335.5
89.5N	399	401	402	403	404	405	406	407	408	409	410	411
88.5N	385	393	395	397	399	400	402	404	406	408	410	411
87.5N	301	310	317	324	330	337	344	350	357	364	371	376
86.5N	253	263	272	281	289	298	307	315	324	333	342	349
85.5N	295	300	301	301	302	303	303	304	304	305	305	307
84.5N	257	247	226	206	186	165	145	124	104	84	63	55
83.5N	59	49	42	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	*	*	*	*
69.5N	*	*	*	*	*	*	*	*	*	*	*	*
68.5N	*	*	*	*	*	*	*	*	*	0	12	40
67.5N	*	*	*	*	*	0	11	32	37	46	59	67
66.5N	*	*	0	12	27	37	42	47	52	51	44	34
65.5N	15	26	39	49	56	61	64	64	61	52	37	22
64.5N	74	101	134	157	172	177	172	154	121	94	71	54
63.5N	157	185	205	215	215	209	196	177	152	131	114	95
62.5N	232	247	252	250	240	226	209	189	166	142	117	104
61.5N	257	269	276	274	261	240	210	180	150	131	124	127
60.5N	275	270	260	246	229	205	175	156	149	155	175	190
59.5N	287	276	259	241	224	207	192	185	185	191	204	216
58.5N	299	287	272	252	227	210	200	201	214	224	231	241
57.5N	282	261	234	214	201	199	206	216	229	242	257	266
56.5N	257	235	215	210	220	232	247	260	270	280	290	286
55.5N	260	245	235	237	252	266	279	287	292	294	291	277
54.5N	240	231	234	245	265	280	290	297	302	305	305	304
53.5N	279	271	274	281	294	301	304	309	316	322	327	335
52.5N	320	312	307	305	305	307	312	317	322	330	340	352
51.5N	377	367	352	336	319	306	299	297	302	316	339	357
50.5N	396	395	395	387	372	354	331	316	309	314	331	351
49.5N	420	410	400	390	360	330	310	290	290	310	330	350
48.5N	430	415	410	400	380	330	330	240	230	300	320	360
47.5N	430	420	410	400	390	350	320	280	210	270	320	360
46.5N	420	410	400	390	370	350	320	300	220	260	300	320
45.5N	440	415	360	310	320	330	310	270	220	280	300	300

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUDE

	324.5	325.5	326.5	327.5	328.5	329.5	330.5	331.5	332.5	333.5	334.5	335.5
44.5N	400	320	250	300	310	300	280	260	230	300	300	290
43.5N	380	370	360	330	300	280	260	260	280	300	320	310
42.5N	400	400	410	390	340	300	250	210	210	300	320	340
41.5N	450	430	370	330	260	240	200	210	230	300	330	360
40.5N	450	410	350	300	250	230	200	210	230	270	310	370
39.5N	400	380	320	250	180	150	180	170	180	250	320	360
38.5N	350	300	260	210	180	180	280	80	80	150	250	330
37.5N	300	280	180	270	200	200	130	200	180	230	120	130
36.5N	280	230	250	300	250	310	310	330	300	360	300	360
35.5N	320	230	230	260	280	310	320	350	380	430	480	470
34.5N	300	280	320	320	300	280	320	360	400	430	500	520
33.5N	320	320	340	350	330	290	290	310	420	500	510	530
32.5N	350	350	380	400	370	350	330	310	350	500	520	540
31.5N	400	390	420	430	400	410	370	350	430	520	580	560
30.5N	440	450	450	460	450	450	450	400	450	520	580	560
29.5N	450	500	500	500	490	500	490	460	510	520	550	550
28.5N	500	510	520	520	520	510	500	500	510	520	520	510
27.5N	540	550	550	550	550	540	530	510	510	510	510	510
26.5N	540	570	570	580	570	570	560	540	520	480	510	510
25.5N	600	610	610	610	600	590	560	540	520	500	510	510
24.5N	600	630	640	590	590	575	560	540	520	510	510	500
23.5N	590	610	600	580	560	550	540	530	550	520	510	500
22.5N	580	590	580	570	530	520	520	520	520	520	510	500
21.5N	600	590	565	550	510	500	500	510	510	510	510	470
20.5N	610	580	560	530	490	480	490	500	490	490	480	470
19.5N	600	560	530	510	490	470	470	470	480	450	420	410
18.5N	590	540	520	490	470	460	460	440	430	410	380	370
17.5N	550	520	520	490	490	480	460	430	380	370	270	300
16.5N	510	530	530	500	500	500	490	480	440	390	350	260
15.5N	550	560	580	560	600	600	530	510	470	450	410	320
14.5N	600	600	610	620	630	600	560	530	510	460	400	350
13.5N	610	610	610	580	600	590	570	540	510	500	470	460
12.5N	600	600	610	600	580	575	570	550	530	520	510	500
11.5N	530	560	570	580	580	560	560	550	540	530	520	510
10.5N	510	530	540	560	580	550	550	540	540	530	520	510
9.5N	460	480	520	520	540	520	520	520	520	515	510	490
8.5N	430	450	450	450	470	500	500	490	500	500	500	480
7.5N	400	380	350	340	420	450	470	470	490	490	490	470
6.5N	380	370	360	320	350	400	420	450	460	470	460	440
5.5N	400	370	330	300	330	390	390	430	430	450	430	410
4.5N	410	380	310	280	320	350	380	390	400	430	430	420
3.5N	400	380	330	280	290	310	320	360	390	420	420	410
2.5N	390	370	350	310	300	300	320	350	380	410	410	300
1.5N	390	390	370	330	320	270	350	370	340	340	340	380
0.5N	410	400	400	390	380	350	360	350	300	320	350	380

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	324.5	325.5	326.5	327.5	328.5	329.5	330.5	331.5	332.5	333.5	334.5	335.5
0.5S	430	420	420	410	410	410	410	410	380	320	300	350
1.5S	410	430	440	430	430	450	470	480	450	440	450	450
2.5S	360	410	420	450	450	460	490	500	510	500	500	500
3.5S	300	340	360	400	440	470	500	510	510	510	510	510
4.5S	220	330	380	410	440	470	500	510	510	510	510	510
5.5S	*	200	420	450	470	490	510	510	520	510	510	510
6.5S	*	180	410	450	490	510	510	510	520	520	520	510
7.5S	*	100	420	480	500	510	520	520	525	530	540	520
8.5S	*	80	380	480	490	510	500	510	525	540	560	550
9.5S	5	280	440	490	510	500	500	520	540	560	580	560
10.5S	200	410	460	500	510	510	510	530	550	575	600	570
11.5S	360	430	470	490	510	510	520	540	560	580	585	570
12.5S	420	440	450	470	490	520	530	550	570	570	570	560
13.5S	420	440	460	480	510	500	520	530	550	560	560	560
14.5S	425	440	455	430	460	500	510	530	540	550	560	570
15.5S	420	440	450	460	480	490	510	520	530	530	540	550
16.5S	420	440	460	470	480	490	500	510	520	510	350	370
17.5S	400	420	440	460	480	490	500	510	520	520	400	400
18.5S	400	420	430	450	470	480	490	510	520	530	540	550
19.5S	410	430	450	460	470	480	490	510	530	550	570	590
20.5S	380	370	410	430	470	480	300	300	530	560	580	580
21.5S	410	410	420	450	470	480	480	510	530	550	550	550
22.5S	420	430	440	460	480	490	510	520	520	530	520	530
23.5S	420	450	460	480	500	510	520	510	530	520	520	520
24.5S	440	460	480	500	510	520	530	530	530	530	520	510
25.5S	440	460	480	490	510	520	530	530	540	540	520	510
26.5S	450	460	475	490	510	520	520	540	560	550	530	510
27.5S	440	450	460	480	500	510	510	525	530	520	510	510
28.5S	410	420	440	440	440	430	430	480	500	500	500	500
29.5S	380	320	380	380	360	340	290	400	475	475	475	480
30.5S	230	220	260	330	350	330	300	380	450	450	460	470
31.5S	270	280	230	360	390	350	320	400	425	425	440	460
32.5S	300	360	400	500	500	370	350	390	410	410	450	480
33.5S	380	480	490	450	420	390	380	390	410	410	420	420
34.5S	440	500	490	450	410	400	390	400	410	410	390	390
35.5S	460	460	460	450	420	410	400	410	410	410	390	390
36.5S	470	470	460	445	430	410	410	410	410	410	410	400
37.5S	480	490	480	460	430	400	420	420	410	410	410	410
38.5S	480	490	500	480	440	420	440	430	430	420	420	410
39.5S	490	490	520	490	470	440	460	440	430	420	420	410
40.5S	500	490	490	520	480	470	470	450	440	430	420	420
41.5S	510	500	490	500	510	500	480	460	450	440	430	420
42.5S	510	500	490	480	480	490	480	460	450	440	430	420
43.5S	510	510	500	490	480	500	480	470	460	450	440	430
44.5S	510	510	510	500	490	500	490	480	470	460	450	440

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
 DEGREES EAST LONGITUDE

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

336.5 337.5 338.5 339.5 340.5 341.5 342.5 343.5 344.5 345.5 346.5 347.5

89.5N	412	413	414	415	416	417	418	419	420	421	422	423
88.5N	412	413	414	415	416	417	418	419	420	421	422	423
87.5N	379	383	387	391	394	398	402	405	409	411	412	413
86.5N	354	360	365	371	376	382	387	393	398	401	402	403
85.5N	312	317	322	327	332	337	342	347	352	357	361	366
84.5N	60	64	68	73	77	82	86	90	95	105	121	137
83.5N	0	0	0	3	7	12	16	20	25	35	52	69
82.5N	*	*	*	*	*	*	0	0	0	0	8	28
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	0	0	2
78.5N	*	*	*	*	*	*	*	*	*	0	0	14
77.5N	*	*	*	*	*	*	*	*	*	0	0	4
76.5N	*	*	*	*	*	*	*	*	*	0	0	24
75.5N	*	*	*	*	*	*	*	*	0	0	3	28
74.5N	*	-	*	*	*	*	*	0	0	10	35	54
73.5N	*	*	*	*	*	*	0	0	6	25	43	60
72.5N	*	*	*	*	*	*	*	0	0	22	46	62
71.5N	*	*	*	*	*	0	0	4	26	49	71	96
70.5N	*	*	0	0	0	19	40	52	64	71	94	116
69.5N	*	0	22	54	71	84	91	97	102	116	139	160
68.5N	60	77	92	101	104	102	97	99	106	119	136	154
67.5N	72	72	67	62	57	57	62	67	72	80	90	106
66.5N	21	15	15	16	19	19	16	14	11	16	29	49
65.5N	7	*	*	*	*	*	*	*	*	*	*	*
64.5N	41	22	*	*	*	*	*	*	*	*	*	10
63.5N	75	54	31	19	16	17	22	35	55	69	76	72
62.5N	101	106	119	130	140	152	167	180	190	184	161	132
61.5N	142	160	180	194	201	205	205	205	205	196	179	160
60.5N	200	209	216	221	224	222	217	212	207	202	197	191
59.5N	229	237	242	240	230	230	240	237	222	195	155	131
58.5N	254	260	260	237	192	165	155	150	150	140	120	116
57.5N	269	257	232	197	152	126	119	112	107	99	86	97
56.5N	269	241	204	172	147	126	109	94	81	91	124	157
55.5N	252	230	210	194	181	160	130	115	115	139	186	220
54.5N	301	294	281	257	222	199	186	192	217	239	256	247
53.5N	345	344	331	307	272	257	262	261	254	217	152	97
52.5N	367	375	375	369	356	351	354	331	284	222	147	93
51.5N	372	381	384	391	404	414	421	396	339	272	197	141
50.5N	374	387	392	401	414	430	450	441	404	359	306	250
49.5N	370	370	400	390	400	420	450	460	450	430	300	50
48.5N	380	400	410	420	430	440	450	450	450	430	380	280
47.5N	390	410	440	440	450	460	460	460	450	450	450	450
46.5N	360	400	450	460	470	470	470	470	460	460	470	470
45.5N	340	380	420	450	460	470	460	450	450	470	480	480

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	336.5	337.5	338.5	339.5	340.5	341.5	342.5	343.5	344.5	345.5	346.5	347.5
44.5N	300	330	370	420	470	470	440	470	480	490	530	500
43.5N	270	300	350	400	470	430	400	460	490	480	490	380
42.5N	330	340	350	350	400	430	430	470	490	500	510	420
41.5N	390	420	390	400	460	510	510	510	520	520	510	460
40.5N	420	400	430	460	500	510	510	500	510	510	520	510
39.5N	400	430	470	480	500	510	510	520	510	500	480	470
38.5N	400	450	490	500	510	500	510	510	500	480	400	500
37.5N	350	410	430	450	500	490	500	480	430	360	440	520
36.5N	400	460	470	480	510	540	520	440	330	250	380	380
35.5N	470	480	510	510	520	510	430	330	300	410	400	400
34.5N	520	510	510	510	500	480	460	350	400	400	410	410
33.5N	530	520	510	510	460	380	380	300	390	380	410	390
32.5N	540	520	510	480	440	400	320	200	410	410	410	380
31.5N	540	520	500	490	480	460	440	430	410	380	340	310
30.5N	540	520	490	480	460	440	420	400	380	320	260	230
29.5N	530	500	480	450	420	310	390	370	350	310	180	160
28.5N	510	490	470	450	430	360	280	200	270	150	80	10
27.5N	490	495	450	425	400	360	330	310	230	220	40	*
26.5N	500	480	450	420	360	350	330	310	200	100	*	*
25.5N	500	480	440	410	320	300	310	200	20	*	*	*
24.5N	490	460	430	400	330	270	220	80	5	*	*	*
23.5N	480	460	430	390	360	200	150	10	*	*	*	*
22.5N	490	400	430	400	360	310	160	5	*	*	*	*
21.5N	460	440	420	400	350	270	60	*	*	*	*	*
20.5N	430	420	390	380	320	220	50	*	*	*	*	*
19.5N	400	380	370	350	320	270	150	50	*	*	*	*
18.5N	320	320	320	330	310	280	220	80	*	*	*	*
17.5N	280	290	320	310	320	300	220	80	*	*	*	*
16.5N	250	220	330	340	330	300	220	20	*	*	*	*
15.5N	180	310	380	370	340	290	150	*	*	*	*	*
14.5N	350	410	410	410	380	300	100	*	*	*	*	*
13.5N	450	450	440	440	420	350	80	*	*	*	*	*
12.5N	490	480	470	470	440	390	150	*	*	*	*	*
11.5N	500	480	450	490	450	370	150	10	*	*	*	*
10.5N	500	450	490	480	440	410	130	30	10	*	*	*
9.5N	500	500	470	460	440	380	180	80	40	15	*	*
8.5N	460	450	400	420	450	440	420	380	380	180	5	*
7.5N	430	380	320	380	430	430	440	460	450	200	100	5
6.5N	410	320	320	360	390	420	460	480	480	430	410	250
5.5N	400	370	330	320	380	430	470	500	520	470	430	410
4.5N	390	350	300	350	450	480	480	520	520	480	450	420
3.5N	380	360	360	430	490	500	490	550	500	470	470	430
2.5N	400	390	420	480	490	510	510	500	490	490	500	450
1.5N	390	440	450	500	500	530	540	520	510	500	510	510
0.5N	330	400	410	490	490	550	480	460	440	450	470	500

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	336.5	337.5	338.5	339.5	340.5	341.5	342.5	343.5	344.5	345.5	346.5	347.5
0.5S	350	400	420	300	490	500	400	350	330	400	330	430
1.5S	480	500	500	450	430	380	420	430	400	400	380	340
2.5S	510	530	530	520	430	450	500	470	380	380	320	300
3.5S	530	600	580	520	490	500	490	480	420	410	370	320
4.5S	510	520	520	510	510	510	480	470	480	400	380	300
5.5S	510	510	480	500	490	480	450	410	430	400	350	300
6.5S	510	510	510	510	480	450	400	390	370	390	350	330
7.5S	520	510	510	500	480	440	390	370	390	350	330	310
8.5S	520	510	510	500	450	430	350	350	370	290	290	310
9.5S	540	520	500	450	430	420	390	390	310	300	280	280
10.5S	550	525	500	470	470	450	420	400	370	310	300	300
11.5S	540	500	490	490	480	440	400	380	350	320	300	310
12.5S	550	525	500	500	460	430	390	380	350	310	300	330
13.5S	535	520	500	480	460	440	420	400	380	280	300	320
14.5S	540	500	490	490	460	430	400	400	400	330	300	320
15.5S	570	510	490	490	490	450	400	370	370	330	300	320
16.5S	500	500	490	480	460	440	420	370	350	380	310	350
17.5S	520	490	490	480	460	430	420	340	330	350	320	310
18.5S	540	510	500	490	470	410	420	380	390	350	300	300
19.5S	570	540	520	510	490	450	450	450	430	400	320	300
20.5S	570	550	530	510	490	470	470	460	420	410	320	330
21.5S	550	540	530	510	490	490	500	480	400	400	320	350
22.5S	530	520	520	500	480	480	480	450	420	400	350	300
23.5S	500	500	500	490	490	470	450	410	410	400	330	320
24.5S	500	490	490	480	470	450	400	400	400	340	230	350
25.5S	500	490	470	470	470	450	430	420	400	350	370	380
26.5S	500	490	470	450	450	440	420	420	410	340	350	350
27.5S	490	480	470	450	430	430	410	400	410	350	300	310
28.5S	490	490	460	430	420	410	400	390	380	300	300	320
29.5S	480	450	420	400	400	390	370	370	350	310	310	320
30.5S	470	450	430	410	400	380	360	340	330	320	310	310
31.5S	460	440	420	410	400	370	350	330	310	310	280	310
32.5S	440	420	420	400	380	365	330	310	300	300	250	340
33.5S	410	400	400	380	370	350	320	300	250	270	320	350
34.5S	390	390	380	360	350	330	310	290	290	300	350	390
35.5S	380	380	360	350	330	310	280	300	300	330	340	350
36.5S	390	380	360	340	320	300	300	290	300	330	310	300
37.5S	400	380	360	340	320	300	300	290	290	320	310	280
38.5S	400	380	360	340	320	300	290	280	290	300	310	320
39.5S	400	380	360	360	320	300	300	290	300	300	200	310
40.5S	410	400	390	365	340	320	300	280	300	310	300	320
41.5S	410	390	380	370	350	330	310	300	280	310	330	330
42.5S	410	390	370	360	345	330	310	300	290	310	330	350
43.5S	420	400	390	370	350	330	310	300	300	300	320	340
44.5S	430	410	400	380	350	325	300	300	290	300	300	330

OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	OCEAN DEPTH BELOW MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE											
	348.5	349.5	350.5	351.5	352.5	353.5	354.5	355.5	356.5	357.5	358.5	359.5
89.5N	424	425	426	427	428	429	429	430	431	432	433	434
88.5N	424	425	426	427	428	429	430	431	432	433	434	435
87.5N	414	415	416	417	418	419	420	421	422	423	424	425
86.5N	404	405	406	407	408	409	409	410	411	412	413	414
85.5N	370	374	379	383	387	391	396	399	400	401	402	403
84.5N	153	169	185	202	218	234	250	264	276	288	301	313
83.5N	86	103	119	136	153	170	187	205	226	246	267	287
82.5N	48	67	87	106	126	146	165	182	197	211	226	240
81.5N	*	*	*	0	0	0	0	0	10	20	31	42
80.5N	0	0	0	2	10	18	27	37	49	61	73	84
79.5N	19	24	30	35	40	56	71	87	102	118	152	187
78.5N	18	22	26	30	34	47	60	74	87	100	136	172
77.5N	27	30	34	37	40	50	60	70	80	90	134	178
76.5N	31	38	46	53	60	82	104	126	148	170	198	226
75.5N	75	96	116	137	158	168	178	188	198	208	230	253
74.5N	89	118	146	175	204	224	245	265	286	306	309	312
73.5N	114	149	183	218	252	262	271	281	290	300	296	292
72.5N	127	158	190	221	252	261	270	278	287	296	285	274
71.5N	132	147	163	178	194	205	216	228	239	250	260	270
70.5N	102	104	106	108	110	124	138	152	166	180	208	236
69.5N	180	190	190	191	194	210	240	266	289	296	289	291
68.5N	171	185	195	202	207	224	251	276	299	302	287	275
67.5N	129	147	162	181	204	234	271	299	316	324	321	302
66.5N	76	101	124	150	180	216	259	291	314	326	329	310
65.5N	30	50	70	99	136	181	234	271	294	305	305	296
64.5N	26	46	69	104	151	200	250	282	297	300	290	281
63.5N	57	51	54	69	96	130	170	199	216	224	221	210
62.5N	97	71	54	41	34	34	41	52	67	82	97	94
61.5N	140	117	92	67	42	30	30	40	60	69	66	52
60.5N	184	169	146	122	97	80	70	60	50	38	24	16
59.5N	124	119	116	110	100	84	61	41	22	11	9	9
58.5N	129	132	127	107	72	41	14	*	*	*	*	2
57.5N	132	146	139	111	62	25	*	*	*	*	*	3
56.5N	192	194	161	119	68	29	*	*	*	*	*	3
55.5N	240	219	156	97	41	9	*	*	*	*	*	0
54.5N	212	160	90	*	*	*	*	*	0	*	*	*
53.5N	51	21	9	*	*	*	*	*	0	*	*	*
52.5N	59	31	*	*	*	*	*	*	0	*	*	*
51.5N	104	73	50	33	22	12	3	*	*	*	*	*
50.5N	190	129	66	29	16	7	2	*	*	*	*	*
49.5N	50	15	15	10	10	5	5	5	5	5	*	*
48.5N	250	130	70	40	15	10	5	*	*	*	*	*
47.5N	450	420	380	280	250	120	50	10	*	*	*	*
46.5N	470	470	460	450	460	440	300	120	10	5	*	*
45.5N	470	480	490	480	480	470	480	380	100	15	*	*

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44.5N	500	380	400	380	400	370	400	350	250	80	*	*
43.5N	430	400	780	5	*	*	*	20	20	10	*	*
42.5N	250	270	100	*	*	*	*	*	*	*	*	*
41.5N	320	340	160	*	*	*	*	*	*	*	*	*
40.5N	500	380	70	*	*	*	*	*	*	*	*	*
39.5N	490	250	60	*	*	*	*	*	*	*	*	*
38.5N	450	370	100	*	*	*	*	*	*	*	*	*
37.5N	520	370	120	*	*	*	*	*	*	*	*	120
36.5N	300	400	300	150	60	10	*	*	30	50	200	270
35.5N	400	410	370	240	130	50	*	40	50	50	50	*
34.5N	410	410	400	300	150	*	*	*	*	*	*	*
33.5N	400	410	160	50	*	*	*	*	*	*	*	*
32.5N	350	280	60	*	*	*	*	*	*	*	*	*
31.5N	220	80	*	*	*	*	*	*	*	*	*	*
30.5N	220	120	*	*	*	*	*	*	*	*	*	*
29.5N	120	15	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	80	*	*	*	*	*	*	*	*	*	*	*
5.5N	290	100	*	*	*	*	*	*	5	*	*	5
4.5N	400	300	180	120	10	150	200	230	200	130	150	300
3.5N	430	420	400	370	380	400	370	350	320	400	500	480
2.5N	470	490	480	480	480	490	450	430	410	450	470	480
1.5N	510	510	500	510	510	510	510	500	500	480	480	490
0.5N	500	500	500	490	510	510	510	520	510	500	500	480

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	348.5	349.5	350.5	351.5	352.5	353.5	354.5	355.5	356.5	357.5	358.5	359.5
0.5S	450	440	430	500	500	500	500	510	510	500	490	420
1.5S	370	390	430	480	480	500	490	500	500	500	490	480
2.5S	350	380	410	460	470	480	480	490	490	490	480	480
3.5S	350	370	410	440	450	470	480	480	490	490	480	480
4.5S	340	370	400	420	430	460	470	480	490	490	480	480
5.5S	320	340	360	410	440	460	480	530	490	470	490	480
6.5S	380	330	370	410	440	470	490	490	480	460	470	480
7.5S	320	350	370	400	430	460	490	480	480	470	470	480
8.5S	340	400	350	400	400	450	440	460	460	470	480	490
9.5S	360	380	380	390	440	440	420	440	470	490	510	500
10.5S	320	340	370	390	450	510	490	480	500	510	500	510
11.5S	320	350	370	380	420	510	490	480	500	500	510	520
12.5S	360	390	400	390	420	450	470	480	500	510	520	530
13.5S	350	380	360	380	380	400	420	450	480	490	500	520
14.5S	300	350	340	410	400	400	430	460	490	500	520	540
15.5S	350	400	380	380	410	410	400	440	480	500	500	540
16.5S	320	350	410	420	440	420	380	450	500	510	510	500
17.5S	280	330	400	410	430	450	470	490	520	510	510	500
18.5S	300	310	350	380	420	470	500	500	500	510	510	510
19.5S	320	300	350	400	430	460	490	490	490	500	510	510
20.5S	350	350	380	420	450	480	480	490	490	500	510	510
21.5S	320	410	420	440	470	500	490	500	500	500	500	510
22.5S	340	410	430	460	500	530	570	580	530	510	510	510
23.5S	360	390	420	480	510	530	530	520	500	500	510	500
24.5S	380	390	410	400	450	510	500	490	490	490	500	510
25.5S	400	400	410	400	450	470	475	480	480	490	510	510
26.5S	390	400	410	410	430	440	450	470	480	490	500	510
27.5S	340	380	400	410	400	420	430	460	480	490	500	490
28.5S	340	360	390	400	425	440	440	460	480	490	500	480
29.5S	340	360	380	400	450	450	450	450	450	450	460	450
30.5S	350	370	380	430	490	450	440	440	420	410	420	410
31.5S	360	390	390	420	440	450	425	420	410	400	400	400
32.5S	350	400	400	410	410	410	410	390	400	400	410	280
33.5S	370	410	410	420	410	410	410	400	380	320	410	420
34.5S	400	410	410	410	400	39	380	370	380	420	440	460
35.5S	380	380	390	380	350	380	370	380	390	420	440	460
36.5S	330	360	360	380	320	360	390	390	410	440	475	490
37.5S	320	340	345	360	340	370	390	400	425	450	475	500
38.5S	300	310	330	350	370	380	390	410	430	450	475	500
39.5S	320	330	340	360	380	390	400	420	440	460	480	500
40.5S	300	300	300	340	370	390	400	430	460	490	490	480
41.5S	350	360	370	390	390	400	410	430	440	450	450	400
42.5S	360	370	380	390	390	410	420	430	430	440	400	270
43.5S	360	370	380	390	400	410	420	430	430	440	420	410
44.5S	350	370	380	380	380	380	390	400	410	420	430	420

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REFERENCES

Gates, W. L., and A. B. Nelson, *A New Tabulation of the Scripps Topography on a 1° Global Grid. Part II: Ocean Depths*, The Rand Corporation, R-1277-ARPA, November 1973.

Gates, W. L., and A. B. Nelson, *A New (Revised) Tabulation of the Scripps Topography on a 1° Global Grid. Part I: Terrain Heights*, The Rand Corporation, R-1276-1-ARPA, September 1975.

Menard, H. W., and S. M. Smith, "Hypsometry of Ocean Basin Provinces," *J. Geophys. Res.*, Vol. 71, 1966, pp. 4305-4325.

Smith, S. M., H. W. Menard, and G. Sharman, *World-wide Ocean Depths and Continental Elevations Averaged for Areas Approximating One-Degree Squares of Latitude and Longitude*, Scripps Institution of Oceanography, SIO Reference 65-8, 1966.

U.S. Army Topographic Command and U.S. Naval Oceanographic Office, *The World, Series 1142* (1st ed.), Washington, D.C., 1971.